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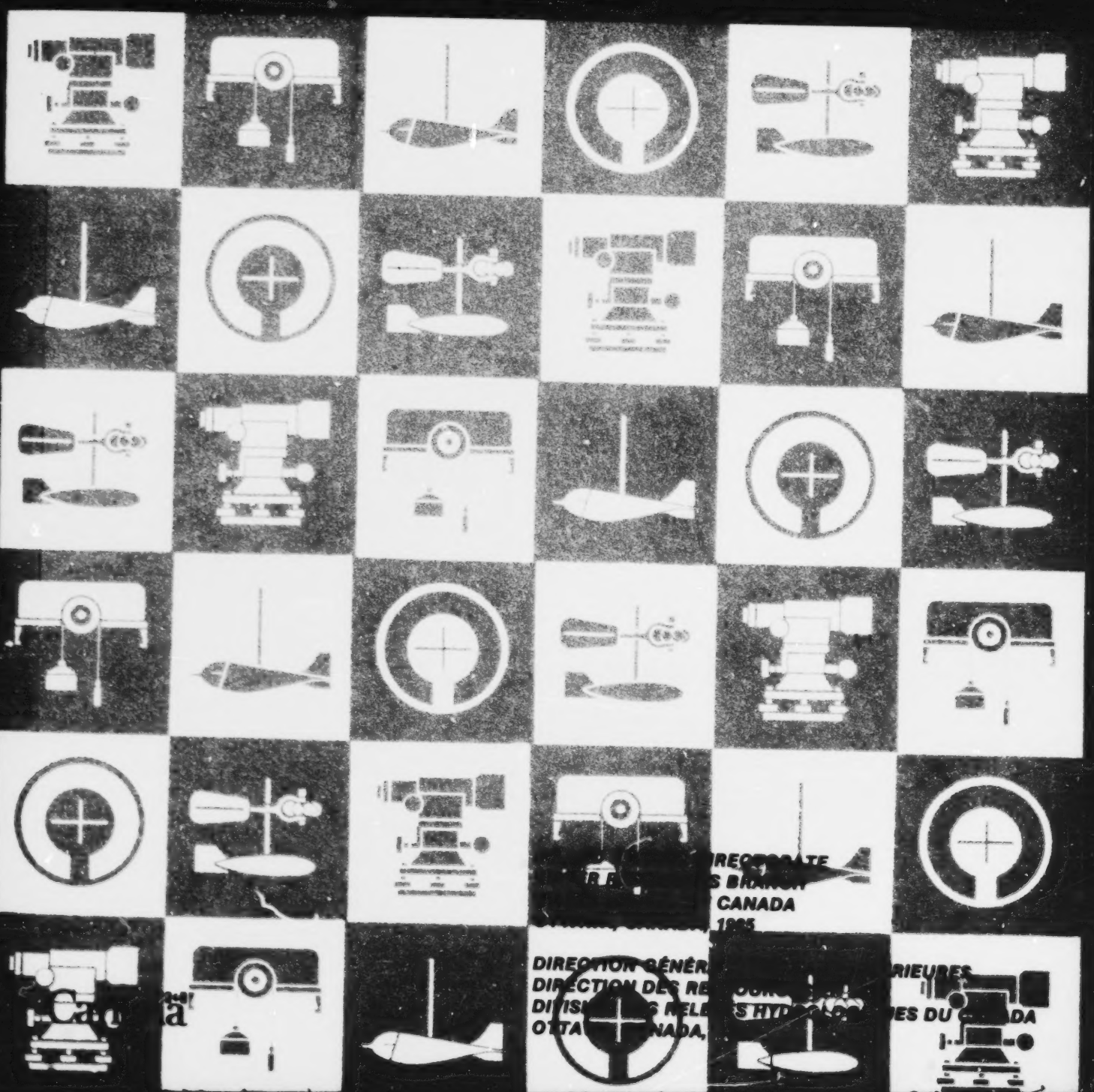
Surface Water Data

Manitoba

Donnees sur les eaux de surface

1984



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Metric Commission Canada has granted use of the National Symbol for Metric Conversion. The metric usage in this text has been reviewed by the Metric Screening Office of the Canadian General Standards Board.

La Commission du système métrique Canada a autorisé l'utilisation du symbole national de conversion au système métrique. Le Service du contrôle métrique de l'Office des normes générales du Canada a revisé l'utilisation du système métrique dans cette publication.

Environment Canada | Environnement Canada

Surface Water Data

Manitoba

Données sur les eaux de surface

1984

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1985

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1985

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Cat. No. En 36-402/1984

ISBN 0-662-53830-7

PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Winnipeg, Manitoba.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Winnipeg (Manitoba).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents for the 1984 calendar year, the results of the hydrometric survey investigations which were made in Manitoba by the Water Survey of Canada.

Details on individual stations and related records, as well as recent data which have not yet been published, may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
521 Federal Building,
269 Main Street,
Winnipeg, Manitoba.
R3C 1B2

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente, pour l'année civile 1984, les résultats des relevés hydrométriques que la Division des relevés hydrologiques du Canada a effectués au Manitoba.

En s'adressant aux endroits ci-après, on peut obtenir des renseignements supplémentaires sur certaines stations particulières et divers relevés, ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
521 Édifice fédéral
269, rue Main
Winnipeg (Manitoba)
R3C 1B2

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

During 1984, the hydrometric surveys in Manitoba were conducted by the Water Survey of Canada under agreement with the Province of Manitoba. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

En 1984, la Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques au Manitoba en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Stream-gauging work started in Manitoba when the Winnipeg River Power Survey was commenced in 1911 by the Dominion Water Power Branch. The Manitoba Hydrographic Survey was organized in early 1912 and the survey was expanded to embrace all Manitoba and the Lake of the Woods in Ontario. Following the transfer of the natural resources of Manitoba to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Manitoba for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933, work was continued by the federal government under letter arrangement until 1975. A co-operative agreement was signed with the Government of Manitoba on February 18, 1975, and implemented on April 1, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to the following organizations:

Federal – Department of Public Works;
Agriculture Canada, PFRA.

Provincial – Manitoba Hydro, Manitoba;
Department of Natural Resources, Water Resources Branch, Manitoba.

Municipal – City of Winnipeg Hydro-Electric System, Manitoba.

C'est en 1911, lorsque la Direction fédérale de l'énergie hydraulique a fondé le *Winnipeg River Power Survey*, que cet organisme a effectué les premières observations relatives aux cours d'eau au Manitoba. Avec la création du *Manitoba Hydrographic Survey* au début de 1912, le champ des relevés s'est élargi pour englober tout le Manitoba et le lac des Bois en Ontario. Après que la responsabilité des ressources naturelles du Manitoba est passée au gouvernement provincial, le 1er octobre 1930, le Manitoba et le gouvernement fédéral ont conclu un accord qui permettait à ce dernier de poursuivre les relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement du Manitoba a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable aux organismes suivants de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques:

Niveau fédéral – Ministère des Travaux publics,
Agriculture Canada (ARAP).

Niveau provincial – Hydro-Manitoba,
Ministère des Ressources naturelles, Direction des ressources en eau, Manitoba.

Niveau municipal – *Hydro-Electric System* de Winnipeg,
Manitoba.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île-du-Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are presented in the International System of Units (SI) and future editions will be published biennially. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and the discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de debit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Paper containing sediment data incorporates a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue is a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI).

De 1948 à 1960, on avait recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenait un choix de ces données ainsi que d'autres, recueillies en 1961 avant le 30 septembre par des stations établies pour la réalisation du programme permanent. La deuxième publication portait sur les données recueillies dans le cadre du programme, au cours des années hydrologiques 1962 et 1963. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement. À partir de 1978, les données sont fournies dans le Système international d'unités (SI).

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

METHOD OF TABULATION OF SURFACE WATER DATA

For gauging stations where a systematic record of water level or discharge was obtained during the year under review, the following are given where available:

1. Table of daily water level or discharge;
2. Summary of monthly and annual data;
3. Descriptive information.

1. *The table of daily water level* or *discharge* gives the daily water level in metres or the daily discharge in cubic metres per second at the gauging station.

The following standard symbols are used opposite the daily stage or discharge to which they apply:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI). L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

PRÉSENTATION SOUS FORME DE TABLEAUX DES DONNÉES SUR LES EAUX DE SURFACE

Pour les stations de jaugeage où on a effectué, au cours de l'année étudiée, un relevé systématique du débit ou du niveau, les données suivantes sont présentées, pour autant qu'elles soient disponibles:

1. un tableau du niveau ou du débit quotidien;
2. un extrait des données mensuelles et annuelles;
3. des renseignements descriptifs.

1. *Le tableau du niveau* ou *du débit quotidien* donne la hauteur des eaux, en mètres ou le débit, en mètres cubes par seconde, mesuré à la station de jaugeage.

Les symboles normalisés donnés ci-après sont inscrits à côté des valeurs auxquelles ils se rapportent:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne pour la journée en question. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

2. *A summary of monthly and annual data* is given below the table of daily data.

For stations where only water level data are obtained, both a monthly and annual summary are given.

The monthly summary gives:
(a) the mean water level in metres for complete months;
(b) the maximum and minimum daily water level in metres.

The summary for the year gives:
(a) the mean water level in metres for complete years;
(b) the maximum and minimum daily water levels and their dates of first occurrence where applicable;
(c) the maximum instantaneous water level and the time of occurrence where available.

For stations where discharge data are collected, both a monthly and annual summary are given.

The monthly summary gives:
(a) the total of the daily discharge values for complete months;
(b) the mean discharge in cubic metres per second;
(c) the total discharge in cubic decametres;
(d) the maximum and minimum daily discharges in cubic metres per second.

The summary for the year or period gives:
(a) the mean discharge in cubic metres per second;
(b) the total discharge in cubic decametres;
(c) the maximum and minimum daily discharges and their dates of first occurrence;
(d) the maximum instantaneous discharge and the time of occurrence, where available.

3. *The descriptive information* about the gauging station is also given below the table of daily data and will indicate the following where applicable:

International Gauging Stations – on waters adjacent to the international boundary, certain gauging stations have been designated as "International" and records are approved jointly. Differences between figures published herein and corresponding figures in United States Water Supply Papers are due to variations in automated data processing techniques.

Type of Gauge – refers to the installation or method used to obtain water level or discharge data:

(a) Manual – a non-recording type of gauge from which observations of stage normally are obtained once daily.
(b) Recording – a water-stage recorder from which continuous water levels are obtained on an analog chart. For most International Gauging Stations located in the United States, water level records are obtained utilizing a digital recorder.
(c) Power Plant Rating – this indicates that records were obtained using the latest available rating of the Power Plant.

2. *Un extrait des données mensuelles et annuelles* est donné au-dessous du tableau des données quotidiennes.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le niveau.

L'extrait mensuel donne:
(a) le niveau moyen en mètres pour le mois entier, et
(b) les niveaux quotidiens maximal et minimal en mètres.

L'extrait annuel donne:
(a) le niveau moyen en mètres pour l'année entière;
(b) les niveaux quotidiens maximal et minimal ainsi que les dates de leur première observation, s'il y a lieu, et
(c) le niveau maximal instantané et l'heure de l'observation, s'il y a lieu.

Les extraits mensuels et annuels sont présentés dans le cas des stations où on n'a mesuré que le débit.

L'extrait mensuel donne:
(a) le total des valeurs quotidiennes du débit, pour le mois entier;
(b) le débit moyen en mètres cubes par seconde;
(c) le débit total en décamètres cubes, et
(d) les débits quotidiens maximal et minimal en mètres cubes par seconde.

L'extrait annuel ou périodique donne:
(a) le débit moyen en mètres cubes par seconde;
(b) le débit total en décamètres cubes;
(c) les débits quotidiens maximal et minimal ainsi que les dates de première observation, s'il y a lieu, et
(d) le débit maximal instantané et l'heure de l'observation, s'il y a lieu.

3. *Les renseignements descriptifs* sur les stations de jaugeage sont également présentés sous le tableau des données quotidiennes et apportent les précisions qui suivent, s'il y a lieu:

Stations internationales de jaugeage (International Gauging Stations) – Dans les eaux contiguës aux frontières, on a désigné certaines stations comme «internationales», et les données prélevées sont approuvées par les pays concernés. Les différences entre les chiffres publiés dans la présente publication et les *United States Water Supply Papers* proviennent de variantes dans les techniques de traitement automatique des données.

Type de jauge (Type of Gauge) – Il s'agit des jauges ou des méthodes de jaugeage utilisées pour obtenir les données sur le niveau et le débit d'un cours d'eau:

(a) Manuelle (Manual) – indique qu'un appareil non enregistreur sert à obtenir une fois par jour les données sur le niveau et le débit d'un cours d'eau.
(b) Enregistreuse (Recording) – indique qu'un limnigraphe permet de mesurer de façon continue le niveau des eaux tracé sur une carte analogique. La plupart des stations internationales de jaugeage des États-Unis obtiennent les données sur le niveau des eaux à l'aide d'un enregistreur numérique.
(c) Régime des stations hydrauliques (Power Plant Rating) – indique qu'on a obtenu les données grâce aux valeurs les plus récentes des régimes mesurés dans les stations hydrauliques.

Location – the latitude and longitude co-ordinates of the location of the gauge are given. For stations where the gauge is located an appreciable distance from the discharge measurement section, these co-ordinates give the location of the discharge measurement section.

Drainage Area – this is the latest available drainage area and refers to that area enclosed by a topographic divide such that direct surface runoff from precipitation would drain by gravity into the stream upstream from the location of the station. For a gauging station on a lake, this refers to the total drainage area at the outlet of the lake.

Contributed Data – if data were supplied in their entirety by an outside agency, the name of the co-operating agency is given.

Natural Flow or *Regulated* – where the flow is known to be natural, this is indicated. The flow of water in many river systems is affected by upstream regulation. In some cases, the extent of this regulation is not known and therefore is not indicated. However, where the regulation is known to be "appreciable", this is indicated as well as the year that the regulation began, if known.

Gauge Datum – for stations where only water level data are available, the name of the datum, to which water levels are referred, is given as well as an equation to convert to another datum if applicable. Detailed information on the description of the bench marks to which water levels are referred is available from the appropriate Regional Chief.

Remarks – unusual conditions which occur at a station are explained.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1980, are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

Emplacement (Location) – La latitude et la longitude de la station de jaugeage sont indiquées. Dans les cas où l'équipement de mesure est situé à un endroit éloigné de la section où le jaugeage est effectué, on indique les coordonnées de cette section.

Superficie du bassin versant (Drainage Area) – Il s'agit de la superficie du bassin versant déterminée d'après les cartes les plus récentes et désigne la zone délimitée par une ligne de partage des eaux de sorte que l'écoulement d'averse est entraîné par gravité vers le cours d'eau en amont de la station. S'il s'agit d'une station située sur un lac, elle représente la superficie totale jusqu'à l'émissaire du lac.

Données fournies (Contributed Data) – Nom de l'organisme extérieur qui a fourni les données.

Débit naturel ou *régularisé* (Natural Flow or Regulated) – Un débit reconnu comme naturel est indiqué comme tel. Le débit de plusieurs réseaux hydrographiques est modifié par une régularisation qui est effectuée en amont. Il arrive parfois que l'importance de cette régularisation ne soit pas connue, et elle n'est donc pas indiquée. Cependent, quand on sait que la régularisation est d'une certaine importance, on l'indique ainsi que l'année où elle a débuté (si elle est connue).

Plan de reference des jauges (Gauge Datum) – Pour les stations dans lesquelles on ne mesure que le niveau de l'eau, on indique le plan de référence de la jauge en question et l'équation permettant, au besoin, de convertir ce plan en un autre plan. En s'adressant au chef régional concerné, on peut obtenir des renseignements plus précis au sujet des niveaux de référence auxquels correspondent les niveaux mesurés.

Remarques (Remarks) – Les conditions inhabituelles qui prévalent à une station sont expliquées.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1980 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch-standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

SURFACE WATER DATA / DONNÉES SUR LES EAUX DE SURFACE

ANGLING RIVER NEAR BIRD - STATION NO. 05UH001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.780	2.480	1.59 B	---	---	43.7	9.97	3.82	1.88	1.84	2.68B	1.65B	1
2	3.740	2.430	1.56 B	---	---	42.4	8.91	3.66	1.86	1.80	2.62B	1.66B	2
3	3.700	2.400	1.56 B	---	---	42.7	9.17	3.49	1.81	1.73A	2.60B	1.63B	3
4	3.640	2.360	1.53 B	---	---	42.8	9.48	3.43	1.42	2.20A	2.56B	1.62B	4
5	3.600	2.320	1.52 B	---	---	40.8	9.06	2.86	1.32	2.28A	2.54B	1.60B	5
6	3.570	2.270	1.50 B	---	---	38.1	8.09	2.77	1.31	2.34A	2.50B	1.52B	6
7	3.520	2.220	1.47 B	---	---	35.8	8.20	2.39	1.87	2.80A	2.46B	1.50B	7
8	3.470	2.180	1.45 B	---	---	34.3	7.84	2.44	1.93	2.60A	2.42B	1.48B	8
9	3.420	2.140	1.42 B	---	---	33.8	7.54	2.61	1.18	2.70A	2.38B	1.46B	9
10	3.380	2.110	1.40 B	---	---	34.7	7.05	2.27	1.24	2.78A	2.30B	1.47B	10
11	3.330	2.080	1.36 B	---	---	33.4	6.63	2.38	1.28	2.80A	2.34B	1.44B	11
12	3.300	2.050	1.35 B	---	---	31.4	6.83	2.43	1.43	2.78E	2.26B	1.42B	12
13	3.260	2.000	1.33 B	---	---	30.0	6.23	2.16	1.47	2.78E	2.24B	1.39B	13
14	3.230	1.980	1.30 B	---	51.4A	28.0	4.74	1.87	1.44	2.88E	2.20B	1.36B	14
15	3.180	1.960	1.28 B	---	51.8A	27.7	4.16	1.87	1.48	2.98E	2.18B	1.37B	15
16	3.150	1.930	1.26 B	---	57.8	26.1	3.93	1.86	1.48	3.00E	2.14B	1.38B	16
17	3.120	1.900	1.23 B	---	67.2	23.8	3.86	1.84	1.54	3.08E	2.10B	1.35B	17
18	3.070	1.880	1.21 B	---	78.9	22.8	3.72	1.83	1.82	3.14E	2.04B	1.32B	18
19	3.010	1.880	1.16 B	---	93.2	23.6	3.58	1.51	1.52	3.18E	2.02B	1.30B	19
20	2.980	1.860	1.16 B	---	88.8	20.6	3.16	1.52	1.41	3.20E	2.00B	1.27B	20
21	2.930	1.820	1.14 B	---	102	18.6	3.06	1.86	1.32	3.28E	1.98B	1.28B	21
22	2.900	1.800	1.11 B	---	106	17.8	4.00	1.84	1.33	3.38E	1.96B	1.25B	22
23	2.860	1.770	1.10 B	---	98.3	16.2	5.93	1.63	1.34	3.36E	1.92B	1.24B	23
24	2.820	1.760	1.08 B	---	92.4	14.6	8.34	1.72	1.28	3.18E	1.85B	1.23B	24
25	2.770	1.720	1.06 B	---	87.1	14.1	8.26	1.72	1.44	2.88B	1.81B	1.20B	25
26	2.740	1.690	1.04 B	---	80.8	12.8	6.10	1.69	1.42	2.84B	1.78B	1.18B	26
27	2.690	1.660	1.03 B	---	72.7	11.7	5.83	1.76	1.44	2.84B	1.77B	1.17B	27
28	2.640	1.640	1.02 B	---	62.0	11.6	5.56	1.76	1.47	2.80B	1.76B	1.18B	28
29	2.610	1.620	0.992B	---	55.4	11.2	4.95	1.69	1.50	2.76B	1.71B	1.14B	29
30	2.580		0.968B	---	49.8	10.5	4.90	1.97	1.48	2.75B	1.68B	1.14B	30
31	2.610		0.944B		44.2		4.21	1.82		2.72B		1.13B	31
TOTAL	97.44	57.86	38.194	---	---	795.9	188.22	67.75	42.92	85.17	64.67	42.27	TOTAL
MEAN	3.14	1.99	1.26	---	---	26.5	6.07	2.18	1.43	2.75	2.16	1.36	MEAN
MAX	3.78	2.48	1.59	---	---	43.7	9.97	3.86	1.88	3.38	2.68	1.65	MAX
MIN	2.61	1.62	0.944	---	---	10.5	3.06	1.51	1.18	1.84	1.66	1.13	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 40 39 N
LONG 93 38 20 W
DRAINAGE AREA, 1 630 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 420	JUL	15 300
FEB	5 000	AUG	5 650
MAR	3 280	SEP	3 710
APR	---	OCT	7 360
MAY	---	NOV	5 600
JUN	68 800	DEC	3 650

ANTLER RIVER NEAR MELITA - STATION NO. 05MF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0 B	0.1628	0.185	0.057	0	0	0	0	0	0	1
2	0	0	0 B	0.3828	0.134	0.081	0	0	0	0	0	0	2
3	0	0	0 B	0.4378	0.143	0.057	0	0	0	0	0	0	3
4	0	0	0 B	0.4068	0.175	0.056	0	0	0	0	0	0	4
5	0	0	0 B	0.373	0.178	0.050	0	0	0	0	0	0	5
6	0	0	0 B	0.308	0.205	0.053	0	0	0	0	0	0	6
7	0	0	0 B	0.284	0.259	0.086	0	0	0	0	0	0	7
8	0	0	0 B	0.217	0.256	0.087	0	0	0	0	0	0	8
9	0	0	0 B	0.178	0.257	0.080	0	0	0	0	0	0	9
10	0	0	0 B	0.172	0.249	0.027	0	0	0	0	0	0	10
11	0	0	0 B	0.184	0.263	0.002	0	0	0	0	0	0	11
12	0	0	0 B	0.223	0.235	0.003	0	0	0	0	0	0	12
13	0	0	0 B	0.279	0.218	0.002	0	0	0	0	0	0	13
14	0	0	0 B	0.281	0.211	0.001	0	0	0	0	0	0	14
15	0	0	0 B	0.258	0.209	0	0	0	0	0	0	0	15
16	0	0	0 B	0.223	0.207	0	0	0	0	0	0	0	16
17	0	0	0 B	0.181	0.213	0	0	0	0	0	0	0	17
18	0	0	0 B	0.148	0.201	0	0	0	0	0	0	0	18
19	0	0	0 B	0.124	0.173	0	0	0	0	0	0	0	19
20	0	0	0 B	0.112	0.183	0	0	0	0	0	0	0	20
21	0	0	0 B	0.123	0.150	0	0	0	0	0	0	0	21
22	0	0	0 B	0.119	0.131	0	0	0	0	0	0	0	22
23	0	0	0 B	0.118	0.097	0	0	0	0	0	0	0	23
24	0	0	0.0038	0.124	0.088	0	0	0	0	0	0	0	24
25	0	0	0.0118	0.100	0.095	0	0	0	0	0	0	0	25
26	0	0	0.0078	0.078	0.088	0	0	0	0	0	0	0	26
27	0	0	0.0038	0.106	0.083	0	0	0	0	0	0	0	27
28	0	0	0.0018	0.115	0.086	0	0	0	0	0	0	0	28
29	0	0	0 B	0.169	0.103	0	0	0	0	0	0	0	29
30	0		0 B	0.185	0.079	0	0	0	0	0	0	0	30
31	0		0 B		0.048		0	0		0		0	31
TOTAL	0	0	0.035	5.181	5.129	0.551	0	0	0	0	0	0	TOTAL
MEAN	0	0	0.001	0.205	0.185	0.018	0	0	0	0	0	0	MEAN
MAX	0	0	0.011	0.437	0.259	0.087	0	0	0	0	0	0	MAX
MIN	0	0	0	0.078	0.048	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.032
MAXIMUM DAILY, 0.4378 ON APR 3
MINIMUM DAILY, 0.0 ON JAN 1
MAXIMUM INSTANTANEOUS,
0.6868 AT 07:08 CST ON APR 3

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 34 N
LONG 101 02 56 W
DRAINAGE AREA, 3 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	2.16	SEP	0
APR	532	OCT	0
MAY	443	NOV	0
JUN	47.6	DEC	0

TOTAL DISCHARGE, 1 030 dam³

ARROW RIVER NEAR ARROW RIVER - STATION NO. 05MD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.056	0.188	0.012	0 014	0	0	0	---	---	1
2	---	---	0 B	0 142	0 188	0 011	0 011	0	0	0	---	---	2
3	---	---	0 B	0.123	0.093	0 007	0 008	0	0	0	---	---	3
4	---	---	0 B	0.070	0.085	0.002	0 003	0	0	0	---	---	4
5	---	---	0 B	0.081	0.089	0	0	0	0	0	---	---	5
6	---	---	0 B	0.089	0 051	0	0	0	0	0	---	---	6
7	---	---	0 B	0 058	0 058	0	0	0	0	0	---	---	7
8	---	---	0 B	0.048	0 084	0	0	0	0	0	---	---	8
9	---	---	0 B	0.047	0.041	0	0	0	0	0	---	---	9
10	---	---	0 B	0.045	0.031	0	0	0	0	0	---	---	10
11	---	---	0 B	0 080	0.028	0	0	0	0	0	---	---	11
12	---	---	0 B	0 173	0 050	0	0	0	0	0	---	---	12
13	---	---	0 B	0 278	0 067	0	0	0	0	0	---	---	13
14	---	---	0 B	0 288	0 088	0	0	0	0	0	---	---	14
15	---	---	0 B	0.208	0 089	0	0	0	0	0	---	---	15
16	---	---	0 0305	0 120	0.027	0 005	0	0	0	0	---	---	16
17	---	---	0 1005	0 087	0 022	0 020	0	0	0	0	---	---	17
18	---	---	0 2008	0 031	0 015	0 015	0	0	0	0	---	---	18
19	---	---	0 3008	0 022	0 015	0 008	0	0	0	0	---	---	19
20	---	---	0 4008	0 020	0 016	0 005	0	0	0	0	---	---	20
21	---	---	0 5018	0 016	0 021	0 016	0	0	0	0 001	---	---	21
22	---	---	0 5778	0 016	0 022	0 053	0	0	0	0 023	---	---	22
23	---	---	0 4808	0 016	0 018	0 148	0	0	0	0 024	---	---	23
24	---	---	0 5788	0 017	0 020	0 127	0	0	0	0 022	---	---	24
25	---	---	0 4888	0 015	0 022	0 148	0	0	0	0 018	---	---	25
26	---	---	0 3118	0 014	0 020	0 085	0	0	0	0 019	---	---	26
27	---	---	0 1908	0 051	0 017	0 041	0	0	0	0 022	---	---	27
28	---	---	0 1258	0 324	0 021	0 028	0	0	0	0 0208	---	---	28
29	---	---	0 1348	0 137	0 018	0 024	0	0	0	0 0118	---	---	29
30	---	---	0 1048	0 044	0 015	0 018	0	0	0	0 0138	---	---	30
31	---		0 1418		0 012		0	0		0 0128		---	31
TOTAL	---	---	4 810	2 891	1 445	0 774	0 037	0	0	0 185	---	---	TOTAL
MEAN	---	---	0 148	0 080	0 047	0 026	0 001	0	0	0 005	---	---	MEAN
MAX	---	---	0 578	0 324	0 188	0 148	0 014	0	0	0 024	---	---	MAX
MIN	---	---	0	0 014	0 012	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 040
MAXIMUM DAILY, 0 5788 ON MAR 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0 6318 AT 12 57 CST ON MAR 22

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 05 10 N
LONG 100 57 30 W
DRAINAGE AREA, 871 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 20
FEB	---	AUG	0
MAR	398	SEP	0
APR	233	OCT	18 0
MAY	128	NOV	---
JUN	66 9	DEC	---

TOTAL DISCHARGE, 842 dam³

ASSINIBOINE RIVER AT HEADINGLEY - STATION NO 05NJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17 58	20 38	15 58	28 38	16 3	38 7	33 0	23 1	7 14	13 1	13 4 B	21 48	1
2	18 78	19 58	15 28	26 58	17 4	36 1	32 2	21 4	8 71	12 5	13 4 B	21 48	2
3	18 68	18 08	15 28	24 68	18 3	37 0	31 2	20 6	6 76	12 7	11 5 B	21 28	3
4	18 68	18 98	15 48	23 18	16 3	38 9	30 0	18 4	6 94	13 3	10 8 B	22 08	4
5	20 18	18 98	16 38	21 78	17 8	36 7	28 3	17 0	7 16	13 8	13 1 B	21 68	5
6	20 38	18 68	15 08	20 68	16 0	38 0	28 2	16 5	7 24	13 8	11 6 B	19 48	6
7	20 98	18 78	15 28	85 88	17 6	40 4	29 4	18 5	6 93	14 6	10 5 B	17 78	7
8	21 38	18 38	15 58	96 3	16 7	41 3	30 0	16 0	6 92	12 6	10 1 B	18 08	8
9	21 68	17 98	15 98	70 1	16 8	41 2	30 8	15 0	8 90	12 3	9 528	14 68	9
10	21 48	17 88	16 08	52 2	16 5	40 8	31 3	14 2	7 08	14 0	9 238	16 98	10
11	21 28	16 88	15 88	47 0	27 0	40 7	32 5	13 5	7 27	15 2	9 958	17 38	11
12	21 48	17 98	15 58	47 3	33 4	39 8	32 7	12 8	8 48	16 3	11 2 B	19 08	12
13	21 38	18 48	15 48	47 6	35 6	36 1	32 6	12 4	9 33	11 8	11 8 B	21 68	13
14	21 48	17 38	15 98	47 2	36 1	37 3	32 6	11 6	9 38	15 6	12 6 B	20 78	14
15	21 68	17 28	16 38	46 2	35 9	35 7	32 0	10 9	9 72	15 2	14 0 B	18 68	15
16	21 58	17 48	16 28	43 3	35 8	36 5	31 2	10 3	9 86	15 0	15 2 B	17 68	16
17	21 18	17 28	16 38	41 4	35 8	37 8	30 5	10 1	10 2	15 5	21 3 B	18 08	17
18	20 98	16 78	16 28	30 6	35 8	37 8	29 9	9 85	10 1	15 5	21 6 B	15 58	18
19	20 68	16 48	16 28	21 3	37 2	48 2	29 3	9 57	9 81	15 0	22 0 B	16 18	19
20	20 88	16 88	15 88	20 8	38 5	40 8	28 3	10 3	9 80	17 8	21 8 B	17 88	20
21	20 68	16 58	15 58	18 0	37 9	38 0	27 5	11 2	10 1	20 4	19 0 B	17 88	21
22	20 38	16 48	15 78	16 5	36 2	74 6	28 0	11 0	10 0	19 1	15 4 B	16 88	22
23	19 88	16 38	15 78	16 5	37 7	88 3	28 2	11 0	9 78	20 3	17 9 B	15 08	23
24	19 48	16 08	16 18	16 0	38 7	80 2	27 9	10 6	10 2	24 1	19 3 B	15 88	24
25	19 88	15 78	16 88	15 8	39 5	51 9	27 0	10 0	10 3	25 5	18 3 B	17 38	25
26	19 78	15 88	17 18	15 5	40 4	43 2	26 3	9 27	11 9	24 1	20 6 B	17 88	26
27	20 28	15 98	16 48	14 9	38 7	37 6	26 3	8 83	15 2	18 7	24 5 B	17 88	27
28	20 68	16 08	16 28	13 3	28 0	35 8	26 0	7 98	14 0	12 1	25 3 B	18 08	28
29	20 98	15 68	16 68	14 4	37 4	35 0	26 3	7 57	13 8	8 058	23 1 B	18 58	29
30	20 98		23 28	16 8	37 1	33 8	26 0	7 05	14 3	8 748	20 8 B	18 88	30
31	20 78		28 78		37 1		24 3	7 08		7 588		17 28	31
TOTAL	836.0	504 4	518.1	1 001.5	941.8	1 306.5	910.0	381 51	283.24	482 49	481.30	566.4	TOTAL
MEAN	20.5	17 4	16 7	33 4	30.4	43 6	29.4	12.6	9.44	15 6	15 5	17 9	MEAN
MAX	21.8	20.2	28.7	96.3	40.4	74.8	33.0	23.1	15 2	35 5	25.3	22 0	MAX
MIN	17.5	15 8	15.0	13.3	15 3	33 8	24.3	7.05	6 71	7.58	9.23	14.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 21.9
MAXIMUM DAILY, 96.3 ON APR 6
MINIMUM DAILY, 6.71 ON SEP 2
MAXIMUM INSTANTANEOUS,
148 AT 21:32 CST ON APR 7

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 08 N
LONG 97 24 10 W
DRAINAGE AREA, 153 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	85 000	JUL	78 800
FEB	43 800	AUG	33 400
MAR	44 800	SEP	26 500
APR	86 500	OCT	61 700
MAY	81 400	NOV	61 500
JUN	113 000	DEC	48 000

TOTAL DISCHARGE, 883 000 dam³

ASSINIBOINE RIVER NEAR BRANDON - STATION NO. 05MH013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	18.88	19.48	12.88	30.3 B	8.58	11.3	25.2	6.82	3.30	5.43	20.08	20.88	1
2	18.88	19.38	13.08	35.0 B	8.14	10.8	28.8	6.88	3.50	5.31	20.78	20.48	2
3	18.68	19.38	12.98	32.3 B	8.15	9.88	28.7	6.88	3.58	5.03	19.48	19.88	3
4	18.38	19.88	12.78	31.8 B	7.98	9.44	27.8	6.48	3.53	4.72	13.08	18.58	4
5	18.18	19.88	12.78	30.0 B	7.44	9.20	28.5	6.22	3.35	5.01	12.38	17.88	5
6	18.18	19.88	12.78	28.8 B	7.01	8.87	28.2	6.00	3.09	5.09	12.88	17.38	6
7	18.08	20.08	12.88	23.2 B	7.07	8.87	27.8	4.81	3.40	5.08	12.88	17.88	7
8	17.88	20.18	13.08	21.4	7.36	8.53	27.7	4.84	3.88	5.20	12.68	18.88	8
9	18.08	20.48	13.08	25.8	7.78	7.87	27.2	4.80	4.18	5.29	13.48	18.58	9
10	18.08	19.98	13.08	24.1	8.58	7.83	26.5	5.07	4.82	5.28	15.78	18.88	10
11	18.08	19.88	13.38	23.6	9.03	7.35	26.0	6.28	4.58	5.35	17.08	18.28	11
12	18.18	19.88	13.18	24.3	8.85	8.98	25.7	7.22	5.21	5.34	18.08	17.98	12
13	18.28	20.38	13.18	23.2	11.1	7.03	25.7	8.53	L.48	5.33	18.28	18.28	13
14	18.48	20.78	13.58	20.0	11.1	6.90	25.2	8.88	5.32	5.23	18.88	18.08	14
15	18.18	20.58	14.08	16.3	11.2	6.90	24.3	7.58	5.17	5.31	20.48	18.88	15
16	17.78	20.18	14.18	13.7	11.6	7.72	23.9	6.55	5.14	5.40	20.88	18.88	16
17	18.08	19.88	13.78	12.2	11.6	8.52	23.5	5.54	5.12	3.90	20.48	17.88	17
18	18.48	19.88	13.08	11.4	11.2	8.17	23.2	4.71	5.03	7.53	20.88	18.58	18
19	19.18	19.88	12.58	10.6	12.2	8.42	22.8	4.33	5.21	8.41	21.28	18.18	19
20	19.68	19.88	12.38	10.2	13.7	7.87	22.5	4.41	5.24	9.08	20.78	18.88	20
21	20.28	18.98	12.98	9.80	14.7	12.8	21.8	4.20	5.08	8.82	18.88	17.98	21
22	20.48	17.38	14.78	8.88	14.3	18.4	20.5	4.03	5.78	10.6	17.58	18.18	22
23	20.58	15.38	14.48	8.22	13.7	21.0	18.8	4.03	5.02	11.6	17.58	17.98	23
24	20.88	13.98	14.68	7.70	14.0	21.6	16.7	4.02	4.88	12.3	16.28	17.48	24
25	20.38	13.28	14.68	8.86	13.6	22.6	12.9	4.02	4.84	13.0	16.28	17.78	25
26	19.68	12.98	15.08	8.86	13.2	22.8	10.3	4.00	4.83	13.5	19.38	18.18	26
27	18.88	12.88	15.28	8.24	12.9	23.4	8.82	3.79	4.82	13.8	20.68	18.28	27
28	18.68	12.88	15.58	8.53	12.8	24.4	7.98	3.68	5.01	13.8	20.78	17.83	28
29	18.08	12.88	15.58	7.06	12.4	24.0	7.67	3.67	5.33	14.4 B	20.78	17.58	29
30	18.48		20.38	6.82	12.0	24.4	7.41	3.34	5.43	11.5 B	20.78	17.38	30
31	18.58		25.68		11.7		7.00	3.22		12.5 B		17.48	31
TOTAL	582.8	527.5	440.5	519.27	328.25	385.80	652.78	180.03	138.84	253.24	541.1	581.7	TOTAL
MEAN	18.8	18.2	14.2	17.3	10.6	12.9	21.1	5.18	4.63	8.17	18.0	18.1	MEAN
MAX	20.8	20.7	25.5	35.0	14.7	24.4	28.8	8.88	5.78	14.4	21.2	20.8	MAX
MIN	17.7	12.8	12.3	6.24	6.14	6.90	7.00	3.22	3.09	4.72	12.3	16.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 13.8
MAXIMUM DAILY, 35.08 ON APR 2
MINIMUM DAILY, 3.09 ON SEP 5
MAXIMUM INSTANTANEOUS,
35.58 AT 15:00 CST ON APR 2

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 20 N
LONG 100 05 10 W
DRAINAGE AREA, 85 700 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	58 400	JUL	86 400
FEB	48 800	AUG	13 800
MAR	38 100	SEP	12 000
APR	44 900	OCT	21 900
MAY	28 400	NOV	46 800
JUN	33 300	DEC	48 500

TOTAL DISCHARGE, 440 000 dam³

ASSINIBOINE RIVER NEAR HOLLAND - STATION NO. 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.88	20.78	15.98	25.48	19.9	40.4	32.7	18.1	7.10	9.53	17.28	18.28	1
2	20.08	20.68	15.48	26.18	19.4	40.5	32.3	17.2	7.17	9.54	15.08	21.38	2
3	20.78	20.58	17.48	27.78	18.4	40.8	32.4	16.4	7.31	9.91	12.88	21.48	3
4	21.38	19.78	18.78	28.38	18.0	40.7	32.5	15.3	7.27	10.9	18.98	19.48	4
5	21.68	18.48	18.48	41.88	18.0	40.5	32.5	14.1	7.37	10.7	22.38	22.28	5
6	21.58	19.08	17.18	56.18	17.6	40.0	33.7	12.6	7.58	11.2	22.88	26.68	6
7	20.88	18.28	16.28	47.4	26.4	43.0	38.2	12.2	7.67	10.2	19.48	24.28	7
8	20.88	20.58	16.98	43.2	37.9	41.9	36.2	12.0	7.66	10.1	17.88	23.38	8
9	21.28	21.58	15.78	43.9	38.5	40.8	36.6	11.3	7.50	10.3	17.08	25.58	9
10	20.48	17.78	17.78	44.6	38.6	38.7	36.2	10.3	7.81	10.7	18.18	23.58	10
11	20.88	18.18	17.58	45.3	38.5	37.0	35.9	9.76	7.88	12.0	15.08	20.88	11
12	21.08	19.58	17.58	44.0	38.0	37.3	35.1	9.20	8.88	12.3	13.88	22.88	12
13	20.68	19.98	18.28	42.1	38.8	37.1	35.0	8.82	10.0	12.1	18.48	26.58	13
14	20.48	18.78	18.78	40.8	40.3	35.1	34.8	8.82	10.1	12.1	15.88	22.18	14
15	21.18	18.88	18.78	38.6	41.4	33.3	33.8	9.41	11.0	12.6	17.68	24.18	15
16	21.68	20.88	17.08	35.1	41.5	32.8	33.3	10.8	10.8	15.1	18.48	26.28	16
17	21.18	18.68	17.88	31.6	39.8	31.8	32.3	11.8	10.3	15.4	14.78	26.18	17
18	21.38	21.48	18.88	28.6	39.8	31.8	31.2	11.4	10.2	16.6	13.98	25.28	18
19	20.58	20.68	18.78	26.6	39.7	33.0	30.7	10.6	9.86	13.8	18.78	20.88	19
20	19.58	20.18	18.58	25.1	40.6	30.4	30.8	9.88	9.70	20.7	17.88	24.68	20
21	20.78	19.78	18.48	23.8	41.9	29.1	30.1	8.70	9.57	20.8	14.08	23.98	21
22	21.48	22.18	18.38	22.6	42.7	27.5	28.8	8.18	9.84	21.3	17.78	23.28	22
23	22.58	22.28	19.88	22.3	42.6	26.5	28.2	8.10	8.85	20.3	21.28	23.28	23
24	23.18	22.48	21.08	21.4	41.4	27.8	28.1	8.08	10.5	19.8	19.28	17.78	24
25	23.48	21.58	23.78	19.6	40.8	31.7	28.4	8.05	10.4	20.4	14.68	18.28	25
26	23.48	19.18	30.78	17.6	40.7	33.1	28.0	7.71	10.3	22.1	15.68	21.28	26
27	23.18	18.88	28.88	18.58	40.8	33.8	26.8	8.84	9.87	22.6	17.88	21.38	27
28	22.68	17.28	34.18	20.68	40.3	33.5	24.7	7.24	9.54	23.7 B	18.18	21.58	28
29	21.28	17.48	36.88	20.38	40.1	33.0	22.5	7.25	9.58	24.7 B	17.28	22.38	29
30	20.38		35.88	19.2	40.1	33.0	21.1	7.10	9.51	17.6 B	17.38	23.68	30
31	20.58		28.48		40.2		19.6	7.12		14.7 B		23.48	31
TOTAL	856.3	571.1	629.4	948.3	1 103.6	1 054.7	881.5	324.38	273.24	481.28	513.8	706.2	TOTAL
MEAN	21.2	19.7	20.3	31.6	35.6	35.2	31.0	10.5	9.11	15.5	17.1	22.7	MEAN
MAX	23.4	22.4	36.9	56.1	42.7	43.0	36.9	18.1	11.0	24.7	22.6	26.6	MAX
MIN	19.6	15.2	15.4	16.6	17.6	26.6	19.6	6.84	7.10	9.83	12.6	17.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.6
MAXIMUM DAILY, 56.18 ON APR 6
MINIMUM DAILY, 6.84 ON AUG 27
MAXIMUM INSTANTANEOUS,
84.18 AT 15:18 CST ON APR 6

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 54 N
LONG 98 53 58 W
DRAINAGE AREA, 152 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	58 600	JUL	83 100
FEB	49 300	AUG	28 000
MAR	54 400	SEP	23 800
APR	81 800	OCT	41 800
MAY	95 300	NOV	44 400
JUN	91 100	DEC	60 900

TOTAL DISCHARGE, 710 000 dam³

ASSINIBOINE RIVER NEAR MINIOTA - STATION NO. 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.48	15.48	13.19	30.2 B	5.95	5.83	23.2	3.58	3.41	4.44	14.19	19.20	1
2	15.38	15.58	13.28	30.0 B	5.17	5.50	24.1	3.43	3.83	4.54	15.88	19.20	2
3	15.28	15.88	13.88	27.6 B	5.00	5.18	24.1	3.48	3.82	4.54	15.58	17.58	3
4	15.19	15.68	13.88	24.0 B	5.01	4.87	24.1	3.43	3.88	4.53	13.98	15.68	4
5	15.08	15.78	14.28	22.7 B	5.88	4.78	24.1	3.28	3.74	4.52	13.28	15.08	5
6	17.88	15.88	14.58	21.3 B	5.83	4.58	23.9	3.21	3.78	4.54	15.88	17.28	6
7	17.88	16.78	14.68	20.2 B	5.38	4.58	23.6	4.43	4.04	4.58	15.88	17.48	7
8	17.78	17.48	14.58	18.1 B	5.48	4.58	24.0	7.44	4.13	4.59	15.18	15.48	8
9	17.88	16.38	13.78	20.1 B	5.47	4.58	24.0	7.80	4.15	4.58	15.05	15.58	9
10	17.88	17.88	14.18	17.0 B	5.58	4.38	24.1	7.87	4.34	4.58	15.88	17.38	10
11	17.58	17.38	15.08	11.7 B	5.88	4.27	23.8	6.08	4.36	4.58	15.78	17.38	11
12	17.48	17.28	15.58	10.1 B	5.78	4.33	23.8	4.13	4.43	4.61	15.18	17.18	12
13	16.28	17.58	14.68	9.328	5.78	4.13	23.7	3.01	4.51	5.38	17.48	17.18	13
14	15.08	17.88	13.38	9.27	5.88	4.08	23.8	2.92	4.53	7.48	15.88	15.88	14
15	15.88	17.88	12.88	9.08	7.48	3.92	23.3	2.88	4.81	7.88	20.88	13.88	15
16	15.18	17.78	13.48	8.78	8.12	4.07	23.1	2.85	4.83	8.71	19.88	15.88	16
17	16.78	17.18	13.88	8.63	8.01	11.0	23.0	2.83	4.46	8.33	18.28	16.08	17
18	17.38	13.88	13.88	8.15	7.22	14.9	22.8	2.72	4.21	9.88	15.78	15.28	18
19	17.18	11.88	13.08	7.88	6.83	17.3	22.4	2.70	4.11	11.2	15.18	15.08	19
20	16.88	11.28	12.78	7.18	6.78	17.8	22.4	2.80	4.08	12.3	15.88	17.48	20
21	17.08	11.28	12.88	6.78	6.85	18.2	20.3	2.74	4.09	13.0	15.88	17.48	21
22	15.38	11.88	13.48	6.67	6.87	19.1	18.7	2.68	4.24	13.0	15.28	16.48	22
23	14.88	12.18	15.08	6.17	6.88	19.6	12.8	2.78	4.46	12.8	15.38	15.88	23
24	15.28	12.48	15.88	5.87	6.88	21.5	10.0	2.78	4.48	13.2	15.88	17.88	24
25	15.88	12.68	15.88	5.81	6.54	20.8	8.54	2.83	5.18	13.5	15.38	15.88	25
26	15.78	12.78	23.58	5.38	6.52	19.6	6.08	2.89	5.15	14.2	15.18	17.08	26
27	15.88	12.78	26.88	5.48	6.50	20.5	7.51	2.88	4.83	15.2	15.88	17.18	27
28	15.88	12.78	31.28	4.22	6.48	20.5	6.14	2.83	4.87	13.8 B	15.28	17.88	28
29	15.88	12.88	31.78	5.88	6.48	20.3	4.57	2.48	4.84	10.7 B	15.08	17.78	29
30	15.08		31.38	5.48	6.58	20.9	3.87	2.38	4.81	17.4 B	15.88	17.88	30
31	15.48		30.38		8.38		4.03	2.40		14.4 B		17.88	31
TOTAL	517.5	438.0	631.2	380.08	204.83	336.18	573.04	109.82	127.83	278.85	543.0	535.3	TOTAL
MEAN	16.7	15.6	17.1	12.7	6.61	11.2	18.5	3.54	4.26	8.82	18.1	17.3	MEAN
MAX	18.4	18.3	31.7	30.2	8.12	21.5	24.1	7.80	5.18	17.4	20.8	19.2	MAX
MIN	14.8	11.2	12.7	4.22	5.88	3.92	3.87	2.38	2.41	4.52	13.2	13.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 12.6
MAXIMUM DAILY, 31.78 ON MAR 28
MINIMUM DAILY, 2.38 ON AUG 30
MAXIMUM INSTANTANEOUS,
31.88 AT 23:53 CST ON MAR 29

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 38 N
LONG 101 02 08 W
DRAINAGE AREA, 78 100 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	46 700	JUL	49 800
FEB	37 700	AUG	9 470
MAR	45 800	SEP	11 000
APR	32 800	OCT	24 200
MAY	17 700	NOV	48 900
JUN	29 000	DEC	46 200

TOTAL DISCHARGE, 395 000 dam³

ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE - STATION NO 05MJ003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	22.58	20.78	18.68	24.78	18.2	40.7	31.5	22.1	8.85	13.7	27.38	23.88	1
2	22.48	20.78	18.78	23.98	20.1	40.4	30.8	20.8	7.04	14.4	28.18	25.48	2
3	22.38	20.88	18.18	20.68	20.8	38.6	30.3	18.7	7.25	14.2	28.78	24.28	3
4	22.38	20.98	17.38	24.48	20.8	40.6	30.1	18.0	7.11	14.7	31.88	21.68	4
5	22.28	20.98	18.38	25.88	20.8	41.0	30.5	18.5	7.10	13.8	18.28	20.18	5
6	22.18	20.48	18.18	24.58	20.0	41.8	30.8	18.8	7.03	12.5	15.48	18.38	6
7	22.18	20.08	18.68	24.78	20.1	42.8	31.2	17.7	7.29	13.3	13.78	17.88	7
8	22.08	20.38	18.48	24.5	20.8	42.7	32.1	16.6	7.57	14.6	11.88	16.88	8
9	21.98	19.68	17.98	25.0	43.4	33.6	16.0	7.84	15.6	13.38	13.28	9
10	21.98	20.68	17.88	24.7	36.8	43.2	33.7	15.3	8.02	16.2	15.58	20.68	10
11	21.88	21.08	17.48	25.7	38.3	40.3	33.8	14.3	8.06	15.4	14.48	21.48	11
12	21.78	19.48	18.18	25.6	38.8	38.1	33.4	13.2	8.19	15.6	12.38	20.88	12
13	21.68	19.78	18.38	25.6	38.8	37.8	33.5	12.6	10.1	14.7	10.88	18.88	13
14	21.68	19.68	18.38	42.5	38.5	37.3	32.8	12.1	10.5	14.8	13.38	18.08	14
15	21.68	20.18	18.88	41.3	38.0	36.8	31.8	11.8	10.8	15.6	24.08	17.88	15
16	21.58	20.28	18.58	33.0	38.2	36.3	31.4	11.2	10.4	15.4	53.58	15.88	16
17	21.48	20.28	18.38	23.7	41.0	33.2	31.0	10.9	9.89	14.8	42.88	18.18	17
18	21.38	20.88	17.48	23.5	38.2	31.8	30.0	11.7	10.2	16.8	37.58	19.08	18
19	21.28	20.78	17.38	21.7	40.2	30.8	28.1	11.7	10.2	19.0	28.58	18.18	19
20	21.28	21.28	17.78	18.8	41.0	30.6	26.5	11.8	10.4	18.0	23.88	16.88	20
21	20.88	21.48	17.88	18.8	41.0	31.4	28.1	11.3	10.3	18.5	28.58	15.28	21
22	20.38	22.28	18.38	19.4	41.5	30.8	28.5	10.8	11.3	22.8	34.08	17.58	22
23	20.88	22.48	18.48	19.1	41.8	29.8	28.7	9.88	9.88	24.2	33.18	17.58	23
24	20.88	21.88	19.48	19.0	43.0	27.5	28.0	8.78	15.1	23.1	33.58	17.88	24
25	21.38	22.58	21.28	17.4	42.5	26.3	28.0	8.38	16.2	15.8	28.38	17.78	25
26	21.78	22.58	21.78	15.2	41.4	28.7	27.8	8.26	14.6	11.4	25.38	15.18	26
27	22.08	21.48	24.88	16.6	40.7	30.6	27.3	8.03	14.4	12.9	23.18	16.48	27
28	22.28	20.08	27.68	18.3	40.6	31.2	26.5	7.70	14.8	13.2	22.48	17.58	28
29	22.18	18.88	30.58	19.8	40.1	31.6	25.8	7.72	13.2	14.0	23.18	18.18	29
30	21.78		30.18	20.6	39.7	31.6	24.6	8.57	13.1	15.6	22.68	17.88	30
31	21.18		27.18		38.3		23.3	8.84		15.4		18.18	31
TOTAL	671.1	600.1	618.0	627.6	1 072.6	1 085.0	926.5	388.01	304.21	483.3	703.5	584.0	TOTAL
MEAN	21.6	20.7	20.0	20.9	34.6	36.5	30.0	12.8	10.1	15.9	23.5	18.8	MEAN
MAX	22.6	22.6	30.6	74.7	43.0	43.4	33.8	22.1	15.2	24.2	53.5	25.4	MAX
MIN	20.3	18.8	17.3	15.2	18.2	26.3	23.3	8.57	8.85	11.4	10.9	15.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 22.8
MAXIMUM DAILY, 74.78 ON APR 7
MINIMUM DAILY, 8.57 ON AUG 30
MAXIMUM INSTANTANEOUS,
88.88 AT 13:31 CST ON APR 8

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 08 N
LONG 98 16 48 W
DRAINAGE AREA, 182 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	68 000	JUL	69 200
FEB	61 600	AUG	24 000
MAR	63 500	SEP	25 200
APR	80 100	OCT	42 000
MAY	82 700	NOV	60 000
JUN	82 000	DEC	60 000

TOTAL DISCHARGE, 723 000 dam³

ASSINIBOINE RIVER NEAR RUSSELL - STATION NO. 05MD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.0 B	12.0 B	7 488	2.41 B	1.01	0.948	25.4	3.14	4.89	3 932E	12 1 B	6 428	1
2	14.1 B	11 9 B	7 418	1.71 B	0.950	0.946	25.3	3 12	4.85	3 922E	11 6 B	10 5 B	2
3	14.0 B	12.1 B	7 539	1.60 B	0.955	0.931	25.3	3.13	4.81	3.91E	12 0 B	12 1 B	3
4	13.9 B	12.2 B	7 638	1.34 B	0.950	0.951	25.2	6.28	4.43	3.91E	12 5 B	12 6 B	4
5	13.7 B	6.810	6 978	1.26 B	0.966	0.991	25.3	7.98	4.30	3 90E	12 9 B	12 1 B	5
6	13.4 B	13.0 B	5.988	1.37 B	1 08	0 958	25.1	8 02	4.31	3 89E	13 3 B	12 1 B	6
7	13 1 B	14 8 B	7 748	1 19	1 11	1 08	25.1	6 01	4 41	3 88E	8 848	13 3 B	7
8	12 7 B	14.0 B	9 038	1.08	1 00	1.07	25.0	5.06	4.23	3 88E	6 678	11 5 B	8
9	12 4 B	13 4 B	10.3 B	1.02	0 935	1.02	24 8	3.28	4 15	4 47E	8 388	10 8 B	9
10	9 678	13 3 B	7.898	0 983	1 11	0.990	24 6	3 17	4 11	5 07E	8 148	10 4 B	10
11	12 5 B	13.4 B	5.178	0.868	1 00	0.985	24.7	3 17	4 42A	5 88E	9 258	9 998	11
12	13 5 B	13 7 B	5 078	1 01	1 04	0.967	24 8	3 18	4 78E	6 28E	9 738	8 808	12
13	14 0 B	13 8 B	5 808	1.07	1 13	2.91	24.8	3 18	4 63E	5 85E	8 108	11 0 B	13
14	13 0 B	13 8 B	5 908	1 40	0 978	5.31	24.5	3.22	4.49E	7 44E	7 698	14 5 B	14
15	13 1 B	14.0 B	6.788	1 23	0.990	11.5	24 4	3 14	4.44E	8 04E	6 888	15 8 B	15
16	13 2 B	8 388	2 638	1 17	1 15	16.0	24 3	3.26	4 40E	8 83E	10 7 B	15 1 B	16
17	12 2 B	6 878	1 848	1 12	1 08	17.7	24.2	3.32	4 38E	9 23E	12 6 B	12 5 B	17
18	12 3 B	7 138	1 768	1 13	0 978	17.7	24.1	3.20	4.31E	9 82E	12 5 B	12 8 B	18
19	13 3 B	6 898	1 888	1 04	0 977	17.8	18.0	3.27	4.27E	9 60E	12 3 B	14 6 B	19
20	8 878	7.368	2 388	0 978	0 990	18.0	15.3	3.41	4 22E	9 18E	12 4 B	15 3 B	20
21	10 8 B	7 488	3 338	0 868	1 08	18 1	11.8	3.33	4 18E	9 78E	10 6 B	15 0 B	21
22	11 2 B	7 688	4 638	0.857	1 03	18.3	8 48	3.31	4 87E	10 4 E	9 818	12 0 B	22
23	11 7 B	7 788	5 958	0.881	0 870	18.1	8 32	3.28	4.11E	11 0 E	9 348	14 0 B	23
24	11 8 B	7 828	6 278	1 03	1 10	18.4	8 24	3.34	4 06E	11 6 B	8 788	13 5 B	24
25	11 3 B	7 538	6 008	1 02	1 13	18.3	8 91	3.28	4 01E	10 8 B	8 318	14 4 B	25
26	11 4 B	7 418	5 538	1.02	1 05	18 2	3 48	3 24	3.98A	9 908	8 918	14 7 B	26
27	11 4 B	7 518	5 228	1 06	0 899	18 4	3 24	3 19	3.95E	12 2 B	8 788	14 9 B	27
28	11 8 B	8 988	5 228	0 572	0.960	22.8	3 13	3 18	3.95E	11 6 B	9 838	15 0 B	28
29	12 1 B	7 368	3 868	1 35	0 852	25 2	3.22	3.97	3.94E	10 6 B	11 5 B	14 8 B	29
30	12 0 B		2 908	1 17	0 874	25 4	3 38	4.81	3 83E	11 7 B	9 328	13 5 B	30
31	12 0 B		2 478		1 02		3.28	4.83		12 6 B		13 9 B	31
TOTAL	385 44	289 08	189 81	35 686	31 655	324.982	546 86	123.75	128 48	242 97	302 35	395 17	TOTAL
MEAN	12 4	10 3	6 48	1 19	1 02	10 8	17 6	3 99	4 28	7 84	10 1	12 7	MEAN
MAX	14 1	14 8	10 3	2 41	1 15	25 4	25 4	8 02	4 79	12 6	12 3	15 6	MAX
MIN	8 87	6 87	1 74	0 572	0 835	0 931	3.13	3 12	3 83	3 88	4 88	6 43	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8 18
MAXIMUM DAILY, 25 4 ON JUN 30
MINIMUM DAILY, 0 572 ON APR 26
MAXIMUM INSTANTANEOUS,
25 5 AT 11 48 CST ON JUN 30

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 35 N
LONG 101 28 10 W
DRAINAGE AREA, 19 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	33 300	JUL	47 100
FEB	25 600	AUG	10 600
MAR	16 700	SEP	11 100
APR	3 080	OCT	21 000
MAY	2 730	NOV	26 100
JUN	28 100	DEC	34 100

TOTAL DISCHARGE, 258 000 dam³

ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE - STATION NO. 05KG005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	291.772	291.757	291.741	291.718	---	291.927	291.982	291.901	291.787	291.780	291.674	291.920	1
2	291.772	291.755	291.743	291.718	---	291.939	291.991	291.895	291.784	291.783	291.671	291.921	2
3	291.778	291.758	291.741	291.715	---	291.938	291.988	291.892	291.780	291.787	291.685	291.918	3
4	291.773	291.758	291.742	291.718	---	291.925	291.979	291.890	291.758	291.778	291.882	291.921	4
5	291.777	291.760	291.737	291.714	---	291.932	291.987	291.878	291.742	291.786	291.884	291.925	5
6	291.771	291.764	291.739	291.710	---	291.924	291.985	291.879	291.732	291.790	291.880	291.919	6
7	291.771	291.762	291.730	291.709	---	291.929	291.980	291.881	291.712	291.787	291.856	291.921	7
8	291.768	291.755	291.728	291.711	---	291.955	291.972	291.876	291.788A	291.785	291.874	291.934	8
9	291.770	291.764	291.725	291.714	---	291.962	291.970	291.859	291.772	291.782	291.873	291.924	9
10	291.768	291.761	291.723	291.722	---	291.978	291.981	291.843	291.772	291.782	291.871	291.928	10
11	291.784	291.754	291.719	291.727	---	291.988	291.982	291.844	291.773	291.781	291.873	291.923	11
12	291.782	291.747	291.717	291.734	---	291.984	291.956	291.840	291.771	291.783	291.881	291.919	12
13	291.783	291.750	291.715	291.740	---	291.982	291.940	291.831	291.780	291.789	291.879	291.925	13
14	291.782	291.753	291.710	291.744	---	291.982	291.943	291.857	291.779	291.801	291.888	291.923	14
15	291.786	291.752	291.709	291.748	---	291.986	291.955	291.848	291.781	291.789	291.912	291.937	15
16	291.786	291.751	291.703	291.748	---	291.985	291.948	291.842	291.786	291.812	291.905	291.931	16
17	291.785	291.750	291.704	291.751	---	291.968	291.943	291.842	291.785	291.829	291.903	291.926	17
18	291.783	291.750	291.702	---	---	291.978	291.941	291.833	291.785	291.853	291.902	291.927	18
19	291.782	291.749	291.700	---	---	291.980	291.930	291.826	291.789	291.849	291.895	291.932	19
20	291.787	291.748	291.704	---	---	291.975	291.913	291.856	291.784	291.851	291.906	291.928	20
21	291.788	291.748	291.698	---	---	291.988	291.928	291.821	291.785	291.851	291.912	291.938	21
22	291.784	291.748	291.698	---	---	292.000	291.933	291.823	291.784	291.851	291.918	291.937	22
23	291.789	291.748	291.700	---	---	292.003	291.918	291.815	291.782	291.857	291.918	291.930	23
24	291.782	291.742	291.695	---	291.911A	291.995	291.913	291.808	291.788	291.852	291.914	291.938	24
25	291.784	291.745	291.701	---	291.911A	292.013	291.908	291.800	291.785	291.842	291.917	291.934	25
26	291.786	291.749	291.723	---	291.912	292.012	291.921	291.811	291.786	291.830	291.918	291.928	26
27	291.783	291.748	291.731	---	291.912	292.000	291.921	291.801	291.782	291.857	291.917	291.934	27
28	291.788	291.738	291.728	---	291.913	291.996	291.917	291.819	291.788	291.881	291.918	291.931	28
29	291.786	291.738	291.725	---	291.911	291.992	291.914	291.827	291.784	291.870	291.914	291.934	29
30	291.780		291.722	---	291.918	291.998	291.912	291.807	291.779	291.854	291.914	291.936	30
31	291.781		291.718		291.920		291.905	291.781		291.850		291.932	31
MEAN	291.784	291.750	291.718	---	---	291.970	291.944	291.843	291.773	291.821	291.893	291.928	MEAN
MAX	291.778	291.755	291.743	---	---	292.013	291.992	291.901	291.795	291.870	291.919	291.937	MAX
MIN	291.763	291.738	291.695	---	---	291.924	291.905	291.781	291.712	291.778	291.858	291.918	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 292.013 ON JUN 25
MINIMUM DAILY, 291.695 ON MAR 24
MAXIMUM INSTANTANEOUS,
292.021 AT 09:46 CST ON JUN 30

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 35 00 N
LONG 101 23 00 W

A - MANUAL GAUGE

REGULATED

DACK LAKE NEAR OXFORD HOUSE - STATION NO. 05AA003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187.377	---	---	---	---	187.400	187.437	187.383	187.147	187.035	186.918	187.041	1
2	187.374	---	---	---	---	187.398	187.433	187.389	187.138	187.032	186.884	187.043	2
3	187.339	---	---	---	---	187.397	187.431	187.354	187.128	187.030	186.884	187.051	3
4	187.347	---	---	---	---	187.397	187.423	187.347	187.118	187.027	186.853	187.060	4
5	187.351	---	---	---	---	187.398	187.413	187.341	187.118	187.023	186.842	187.061	5
6	187.362	---	---	---	---	187.398	187.408	187.338	187.113	187.022	186.840	187.063	6
7	187.382	---	---	---	---	187.398	187.408	187.321	187.112	187.020	186.844	187.075	7
8	187.371	---	---	---	---	187.382	187.408	187.308	187.112	187.017	186.848	187.078	8
9	187.378A	---	---	---	---	187.398	187.402	187.308	187.113	187.015	186.853	187.077	9
10	---	---	---	---	---	187.416	187.398	187.308	187.113	187.015	186.851	187.080	10
11	---	---	---	---	---	187.441	187.390	187.308	187.115	187.010	186.871	187.082	11
12	---	---	---	---	---	187.428	187.382	187.304	187.118	187.010	186.882	187.087	12
13	---	---	---	---	---	187.421	187.374	187.302	187.118	187.011	186.898	187.087	13
14	---	---	---	---	---	187.418	187.380	187.186	187.117	187.014	186.915	---	14
15	187.374A	---	---	---	---	187.418	187.365	187.189	187.117	187.013	186.928	---	15
16	187.371A	---	---	---	---	187.417	187.359	187.184	187.115	187.003	186.942	---	16
17	---	---	---	---	---	187.412	187.349	187.184	187.114	187.001	186.950	---	17
18	---	---	---	---	---	187.422	187.347	187.183	187.106	187.002	186.959	---	18
19	---	---	---	---	---	187.437	187.344	187.186	187.099	187.006	186.966	---	19
20	---	---	187.309A	---	---	187.439	187.338	187.182	187.090	187.008	186.977	---	20
21	---	---	---	---	---	187.439	187.320	187.187	187.078	187.007	186.977	---	21
22	---	---	---	---	---	187.445	187.319	187.186	187.068	187.007	186.978	---	22
23	---	---	---	---	---	187.463	187.316	187.183	187.068	186.998	186.988	---	23
24	---	---	---	---	---	187.481	187.308	187.180	187.064	186.982	186.990	---	24
25	---	---	---	---	---	187.468	187.287	187.177	187.044	186.985	186.995	---	25
26	---	---	---	---	---	187.443	187.267	187.178	187.045	186.985	187.002	---	26
27	---	---	---	---	---	187.437	187.264	187.171	187.044	186.983	187.010	---	27
28	---	---	---	---	---	187.435	187.260	187.163	187.042	186.978	187.014	---	28
29	---	---	---	---	---	187.438	187.278	187.161	187.041	186.971	187.025	---	29
30	---		---	---	187.383A	187.439	187.276	187.157	187.037	186.965	187.034	---	30
31	---		---	---	187.390		187.265	187.162		186.964		---	31
MEAN	---	---	---	---	---	187.422	187.354	187.201	187.085	187.005	186.930	---	MEAN
MAX	---	---	---	---	---	187.463	187.437	187.383	187.147	187.035	187.034	---	MAX
MIN	---	---	---	---	---	187.368	187.265	187.161	187.037	186.964	186.840	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1984

MAXIMUM DAILY, 187.463 ON JUN 23
MINIMUM DAILY, 186.840 ON NOV 6
MAXIMUM INSTANTANEOUS,
187.468 ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 56 30 N
LONG 95 14 50 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -158.987 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

BADGER CREEK NEAR CARTWRIGHT - STATION NO. 05DA007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0088	0.0028	0.0138	1.71	0.128	0.158	0.025	0.008	0	0	0 B	0.0148	1
2	0.0088	0.0028	0.0128	1.35	0.135	0.127	0.023	0.007	0	0	0 B	0.0148	2
3	0.0068	0.0028	0.0118	1.02	0.384	0.089	0.018	0.006	0	0	0.0018	0.0138	3
4	0.0068	0.0028	0.0118	0.838	1.15	0.078	0.018	0.006	0	0	0 B	0.0128	4
5	0.0058	0.0018	0.0118	0.717	3.43	0.070	0.018	0.005	0	0	0 B	0.0128	5
6	0.0058	0.0018	0.0118	0.643	2.78	0.066	0.015	0.005	0	0	0 B	0.0128	6
7	0.0058	0.0018	0.0118	0.650	2.77	0.073	0.018	0.005	0	0	0 B	0.0128	7
8	0.0058	0.0018	0.0108	0.533	2.64	0.080	0.023	0.005	0	0	0 B	0.0128	8
9	0.0048	0.0018	0.0108	0.484	2.10	0.082	0.015	0.005	0	0	0 B	0.0118	9
10	0.0058	0.0028	0.0108	0.414	1.88	0.088	0.012	0.005	0	0	0.0018	0.0118	10
11	0.0048	0.0028	0.0088	0.414	1.70	0.088	0.011	0.005	0	0	0.0058	0.0118	11
12	0.0048	0.0088	0.0088	0.854	1.34	0.080	0.011	0.004	0	0	0.0058	0.0118	12
13	0.0048	0.0078	0.0088	0.838	1.18	0.085	0.010	0.004	0	0	0.0048	0.0108	13
14	0.0048	0.0068	0.0088	1.23	0.997	0.050	0.010	0.003	0	0	0.0068	0.0108	14
15	0.0048	0.0138	0.0068	1.58	0.833	0.042	0.008	0.003	0	0	0.0088	0.0108	15
16	0.0038	0.0188	0.0068	1.32	0.750	0.026	0.007	0.003	0	0	0.0088	0.0108	16
17	0.0038	0.0148	0.0068	1.14	0.648	0.026	0.005	0.002	0	0	0.0088	0.0108	17
18	0.0048	0.0138	0.0068	0.971	0.490	0.032	0.005	0.001	0	0	0.0048	0.0088	18
19	0.0048	0.0128	0.0078	0.780	0.416	0.032	0.004	0	0	0	0.0048	0.0088	19
20	0.0078	0.0128	0.0318	0.867	0.337	0.034	0.004	0	0	0	0.0048	0.0088	20
21	0.0078	0.0128	0.0858	0.588	0.358	0.037	0.005	0	0	0	0.0088	0.0088	21
22	0.0078	0.0188	0.1378	0.405	0.348	0.035	0.006	0	0	0	0.0088	0.0088	22
23	0.0068	0.0258	0.2018	0.311	0.347	0.028	0.007	0	0	0	0.0088	0.0078	23
24	0.0048	0.0238	0.7058	0.386	0.313	0.028	0.008	0	0	0	0.0098	0.0088	24
25	0.0048	0.0178	3.85 B	0.342	0.286	0.027	0.008	0	0	0	0.0108	0.0078	25
26	0.0038	0.0168	3.56 B	0.282	0.260	0.032	0.008	0	0	0	0.0158	0.0078	26
27	0.0038	0.0148	3.10 B	0.305	0.236	0.027	0.008	0	0	0B	0.0188	0.0388	27
28	0.0038	0.0138	2.96 B	0.242	0.218	0.027	0.008	0	0	0B	0.0188	0.0485	28
29	0.0038	0.0138	2.87 B	0.156	0.208	0.027	0.008	0	0	0B	0.0188	0.0078	29
30	0.0038		2.75 A	0.131	0.183	0.026	0.008	0	0	0B	0.0188	0.0088	30
31	0.0038		2.15		0.179		0.008	0		0B		0.0088	31
TOTAL	0.139	0.384	22.418	21.388	28.037	1.581	0.344	0.082	0	0	0.188	0.287	TOTAL
MEAN	0.004	0.009	0.723	0.713	0.837	0.053	0.011	0.003	0	0	0.008	0.010	MEAN
MAX	0.007	0.025	3.85	1.71	3.43	0.158	0.025	0.008	0	0	0.018	0.014	MAX
MIN	0.002	0.001	0.006	0.131	0.128	0.026	0.004	0	0	0	0	0.008	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE YEAR 1984

MEAN, 0.207
MAXIMUM DAILY, 3.85B ON MAR 25
MINIMUM DAILY, 0 ON AUG 10
MAXIMUM INSTANTANEOUS,
4.38B AT 02:13 CST ON MAR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 05 16 N
LONG 59 10 22 W
DRAINAGE AREA, 1 520 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	12.0	JUL	28.7
FEB	22.8	AUG	7.08
MAR	1 940	SEP	0
APR	1 850	OCT	0
MAY	2 510	NOV	16.3
JUN	137	DEC	25.7

TOTAL DISCHARGE, 6 550 dam³

BALD HILL RESERVOIR NEAR MCCREARY - STATION NO. 05LJ003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	708.892	708.878	708.808	708.881	708.406	708.910	---	---	1
2	---	---	---	---	708.901	708.878	708.803	708.848	708.388	708.910	---	---	2
3	---	---	---	---	708.918	708.878	708.797	708.818	708.376	708.910	---	---	3
4	---	---	---	---	708.856	708.878	708.797	708.788	708.401	708.910	---	---	4
5	---	---	---	---	709.270	708.880	708.794	708.755	708.461	708.907	---	---	5
6	---	---	---	---	710.128	708.958	708.784	708.751	708.482	708.907	---	---	6
7	---	---	---	---	709.770	710.181	708.784	708.739	708.511	708.907	---	---	7
8	---	---	---	---	709.087	710.485	708.784	708.727	708.888	708.907	---	---	8
9	---	---	---	---	708.776	709.870	708.781	708.773	708.806	708.907	---	---	9
10	---	---	---	---	710.385	708.986	708.788	708.788	708.892	708.907	---	---	10
11	---	---	---	---	710.803	708.989	708.788	708.778	708.888	708.910	---	---	11
12	---	---	---	---	710.885	708.967	708.784	708.748	708.888	708.910	---	---	12
13	---	---	---	---	710.748	708.944	708.805	708.718	708.901	708.913	---	---	13
14	---	---	---	---	710.343	708.944	708.818	708.888	708.901	708.913	---	---	14
15	---	---	---	---	709.181	708.944	708.822	708.823	708.901	708.913	---	---	15
16	---	---	---	---	708.925	708.944	708.831	708.589	708.901	---	---	---	16
17	---	---	---	---	708.918	708.982	708.834	708.581	708.888	---	---	---	17
18	---	---	---	---	708.910	708.977	708.848	708.563	708.888	---	---	---	18
19	---	---	---	---	708.822	708.988	708.852	708.538	708.895	---	---	---	19
20	---	---	---	708.883	708.928	708.982	708.881	708.544	708.895	---	---	---	20
21	---	---	---	708.880	708.831	708.975	708.870	708.559	708.895	---	---	---	21
22	---	---	---	708.880	708.918	---	708.878	708.712	708.928	---	---	---	22
23	---	---	---	708.880	708.907	---	708.880	708.718	708.934	---	---	---	23
24	---	---	---	708.880	708.918	---	708.878	708.881	708.918	---	---	---	24
25	---	---	---	708.883	708.928	---	708.870	708.823	708.918	---	---	---	25
26	---	---	---	708.880	708.918	---	708.858	708.589	708.918	---	---	---	26
27	---	---	---	708.873	708.901	---	708.843	708.553	708.913	---	---	---	27
28	---	---	---	708.870	708.892	710.852	708.822	708.520	708.913	---	---	---	28
29	---	---	---	708.883	708.886	708.882	708.791	708.483	708.913	---	---	---	29
30	---		---	708.880	708.880	708.812	708.791	708.453	708.910	---	---	---	30
31	---		---		708.878		708.848	708.425		---	---	---	31
MEAN	---	---	---	---	709.308	---	708.824	708.881	708.783	---	---	---	MEAN
MAX	---	---	---	---	710.885	---	708.880	708.881	708.934	---	---	---	MAX
MIN	---	---	---	---	708.878	---	708.788	708.425	708.374	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 16 N
LONG 99 40 00 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BARRINGTON RIVER BELOW FIRST RAPIDS - STATION NO 05EB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.0E	11.7	9.13E	7.43E	18.1	18.9	13.3	8.91	7.51	5.04	4.95	5.02	1
2	15.9E	11.6	9.04E	7.43A	17.6	18.8	13.0	8.89	7.84	4.90	4.84	4.97	2
3	15.7E	11.6	8.95E	7.46	17.1	18.5	11.7	8.58	7.85	4.84	4.95	4.99	3
4	15.4E	11.7	8.78E	7.44	16.3	17.1	11.5	8.20	7.47	4.77	4.90	4.80	4
5	15.3E	11.6 E	8.78E	7.27	15.9	16.1	11.5	8.05	7.38	4.70	4.78	5.01	5
6	15.2E	11.5 E	8.78E	7.27	15.5	16.1	11.5	7.98	7.31	4.68	4.75	4.84	6
7	15.0E	11.4 E	8.78E	7.37	15.2	16.0	11.4	7.83	7.13	4.63	4.87	4.83	7
8	14.8E	11.3 E	8.60E	7.30	15.1	17.8	11.4	7.79	8.83	4.58	4.77	4.85	8
9	14.7E	11.1 E	8.42E	7.52	14.8	17.7	11.4	7.87	8.88	4.44	4.87	4.86	9
10	14.5E	11.0 E	8.34E	7.19	14.5	17.5	11.3	7.79	8.95	4.48	4.86	4.85	10
11	14.3E	11.0 E	8.34E	7.21	14.4	15.8	11.1	7.72	8.78	4.38	4.85	4.88	11
12	14.1E	10.9 E	8.34E	7.11	14.5	15.4	11.0	7.84	8.81	4.32	4.87	4.88	12
13	14.0E	10.7 E	8.34E	7.35	14.4	15.1	10.8	7.53	8.84	4.30	4.72	4.85	13
14	13.8E	10.7 E	8.26E	7.38	14.3	15.0	10.8	7.49	8.88	4.23	4.67	4.80	14
15	13.7E	10.7 E	8.08E	7.49	14.3	15.5	10.4	7.20	8.38	4.32	4.89	4.91	15
16	13.5E	10.7 E	7.83E	7.29	14.3	15.2	10.4	7.08	8.23	4.11	4.98	4.90	16
17	13.3E	10.6 E	7.83E	7.66	14.5	15.0	10.3	8.98	8.21	4.13	4.85	4.88	17
18	13.2E	10.4 E	7.83E	8.85	15.3	14.8	10.3	8.78	8.18	4.38	4.89	14.85	18
19	13.0E	10.2 E	7.83E	10.2	16.0	14.5	10.2	8.83	8.88	4.41	8.05	4.85	19
20	13.0E	10.2 E	7.84E	12.4	16.5	14.1	9.85	8.74	8.95	4.78	4.84	4.84	20
21	12.8E	10.2 E	7.78E	15.3	17.7	14.0	9.83	8.85	8.83	4.95	5.00	4.78	21
22	12.6E	10.0 E	7.60E	17.7	18.3	14.0	9.88	8.84	8.48	5.05	4.98	4.78	22
23	12.5E	9.83E	7.80E	18.8	18.5	14.0	9.87	8.89	8.42	5.28	5.01	4.74	23
24	12.3E	9.84E	7.81E	20.4	18.5	14.0	9.86	7.08	8.40	5.18	5.05	4.73	24
25	12.0A	9.67E	7.81E	20.3	18.5	14.0	9.84	7.20	8.35	5.27	5.10	4.83	25
26	12.4	9.48E	7.81E	20.3	18.2	13.8	9.88	7.32	8.33	5.27	5.11	4.81	26
27	12.1	9.48E	7.81E	20.0	18.2	13.5	9.88	7.38	8.38	5.34	5.03	4.88	27
28	11.8	9.40E	7.81E	19.7	18.2	13.3	9.85	7.44	8.15	5.18	5.03	4.89	28
29	11.6	9.31E	7.81E	19.5	17.8	13.1	9.73	7.48	8.14	5.08	4.98	4.88	29
30	11.7		7.43E	18.8	17.6	12.8	9.51	7.73	8.11	5.05	5.00	4.87	30
31	11.7		7.43E		17.0		9.17	7.82		4.98		4.81	31
TOTAL	422.3	308.03	251.41	348.00	507.1	485.4	329.03	233.45	188.88	148.95	148.89	149.70	TOTAL
MEAN	13.6	10.8	8.11	11.8	16.4	15.5	10.8	7.53	8.32	4.74	4.89	4.83	MEAN
MAX	16.0	11.8	9.13	20.4	18.8	18.1	13.3	8.91	7.86	5.27	5.11	5.02	MAX
MIN	11.7	9.31	7.43	7.11	14.3	12.8	9.17	6.83	8.11	4.11	4.58	4.58	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.58
MAXIMUM DAILY, 20.4 ON APR 24
MINIMUM DAILY, 4.11 ON OCT 16
MAXIMUM INSTANTANEOUS,
20.8 AT 21:08 CST ON APR 24

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 50 N
LONG 99 56 25 W
DRAINAGE AREA, 1 770 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	38 500	JUL	28 400
FEB	26 600	AUG	20 200
MAR	21 700	SEP	18 400
APR	30 100	OCT	12 700
MAY	43 800	NOV	12 700
JUN	40 200	DEC	12 900

TOTAL DISCHARGE, 302 000 dam³

BEAVER CREEK EAST OF BEAVER - STATION NO. 05LL028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 8	0.0858	0 8	0.007	0.001	0	0	0	---	---	1
2	---	---	0 8	0.0588	0 8	0.071	0	0	0	0	---	---	2
3	---	---	0 8	0.2788	0 0738	0.045	0	0	0	0	---	---	3
4	---	---	0 8	0.0788	0.0148	0.028	0	0	0	0	---	---	4
5	---	---	0 8	0.0888	0.2888	0.018	0	0	0	0	---	---	5
6	---	---	0 8	0.0888	0.8188	0.017	0	0	0	0	---	---	6
7	---	---	0 8	0.0528	2 00 8	0.041	0	0	0	0	---	---	7
8	---	---	0 8	0.0448	1 81 8	0.381	0	0	0	0	---	---	8
9	---	---	0 8	0.0408	1 18	0.151	0	0	0	0	---	---	9
10	---	---	0 8	0.0578	0 883	0 078	0	0	0	0	---	---	10
11	---	---	0 8	0 111	0 818	0.481	0	0	0	0	---	---	11
12	---	---	0 8	0.024	0 383	1.13	0	0	0	0	---	---	12
13	---	---	0 8	0 018	0 288	0.884	0	0	0	0	---	---	13
14	---	---	0 8	0 317	0 313	0.581	0	0	0	0	---	---	14
15	---	---	0 8	0 811	0 181	0.388	0	0	0	0	---	---	15
16	---	---	0 8	0.888	0 132	0 328	0	0	0	0 001	---	---	16
17	---	---	0 8	0.873	0 118	0 552	0	0	0	0 002	---	---	17
18	---	---	0 8	0 481	0 118	0 828	0	0	0	0 001	---	---	18
19	---	---	0 8	0 188	0 128	0 783	0	0	0	0 002	---	---	19
20	---	---	0 8	0 727	0 123	2 18	0	0	0	0 031	---	---	20
21	---	---	0 0018	0 518	0.085	1 80	0	0	0	0 023	---	---	21
22	---	---	0 0028	0 133	0 101	1 08	0	0	0	0 006	---	---	22
23	---	---	0 0068	0 081	0 143	0 850	0	0	0	0 003	---	---	23
24	---	---	0 0138	0 051	0 138	0.478	0	0	0	0 002	---	---	24
25	---	---	0 0388	0.182	0 153	0 181	0	0	0	0 001	---	---	25
26	---	---	0 3188	0 883	0 228	0 074	0	0	0	0 001	---	---	26
27	---	---	0 5888	0.0588	0 228	0 038	0	0	0	0 0018	---	---	27
28	---	---	0 7888	0 0188	0 178	0 015	0	0	0	0 0018	---	---	28
29	---	---	0 8148	0 8	0 133	0 008	0	0	0	0 0018	---	---	29
30	---		0 8738	0 8	0 088	0 002	0	0	0	0 0018	---	---	30
31	---		0 8888		0 108		0	0		0 8		---	31
TOTAL	---	---	4 888	7 058	11 048	13 134	0 001	0	0	0 077	---	---	TOTAL
MEAN	---	---	0 148	0 235	0 358	0 438	0	0	0	0 002	---	---	MEAN
MAX	---	---	0 873	0 888	2 08	2 18	0 001	0	0	0 031	---	---	MAX
MIN	---	---	0	0	0	0 002	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.147
MAXIMUM DAILY, 2.18 ON JUN 20
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
2 438 AT 01 00 CST ON MAY 8

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 04 00 N
LONG 98 37 40 W
DRAINAGE AREA, 275 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0 08
FEB	---	AUG	0
MAR	397	SEP	0
APR	810	OCT	8 85
MAY	854	NOV	---
JUN	1 130	DEC	---

TOTAL DISCHARGE, 3 100 dam³

BEAVER LAKE NEAR PINE RIVER - STATION NO. 05LG001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	701.040	700.883	700.843	---	---	---	---	1
2	---	---	---	---	---	700.883	700.854	700.843	---	---	---	---	2
3	---	---	---	---	---	700.788	700.851	700.838	---	---	---	---	3
4	---	---	---	---	---	700.738	700.854	700.838	---	---	---	---	4
5	---	---	---	---	---	700.695	700.857	700.851	---	---	---	---	5
6	---	---	---	---	---	700.818	700.860	700.860	---	---	---	---	6
7	---	---	---	---	---	700.878	700.863	700.880	---	---	---	---	7
8	---	---	---	---	---	700.881	700.888	700.854	---	---	---	---	8
9	---	---	---	---	---	700.888	700.888	700.851	---	---	---	---	9
10	---	---	---	---	---	700.883	700.883	700.848	---	---	---	---	10
11	---	---	---	---	---	700.878	700.883	700.848	---	---	---	---	11
12	---	---	---	---	---	700.878	700.880	700.845	---	---	---	---	12
13	---	---	---	---	---	700.878	700.883	700.845	---	---	---	---	13
14	---	---	---	---	---	700.878	700.883	700.884	---	---	---	---	14
15	---	---	---	---	---	700.878	700.863	---	---	---	---	---	15
16	---	---	---	---	---	700.878	700.888	---	---	---	---	---	16
17	---	---	---	---	---	700.878	700.873	---	---	---	---	---	17
18	---	---	---	---	---	700.883	700.872	---	---	---	---	---	18
19	---	---	---	---	---	700.887	700.868	---	---	---	---	---	19
20	---	---	---	---	---	700.903	700.858	---	---	---	---	---	20
21	---	---	---	---	---	700.903	700.888	---	---	---	---	---	21
22	---	---	---	---	---	700.834	700.860	---	---	---	---	---	22
23	---	---	---	---	701.000	703.235	700.850	---	---	---	---	---	23
24	---	---	---	---	701.055	703.008	700.854	---	---	---	---	---	24
25	---	---	---	---	701.118	702.902	700.854	---	---	---	---	---	25
26	---	---	---	---	701.171	702.438	700.851	---	---	---	---	---	26
27	---	---	---	---	701.211	701.962	700.848	---	---	---	---	---	27
28	---	---	---	---	701.244	701.525	700.848	---	---	---	---	---	28
29	---	---	---	---	701.272	701.183	700.845	---	---	---	---	---	29
30	---		---	---	701.296	700.938	700.845	---	---	---	---	---	30
31	---		---		701.269		700.848	---		---		---	31
MEAN	---	---	---	---	---	701.188	700.859	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	703.008	700.872	---	---	---	---	---	MAX
MIN	---	---	---	---	---	700.788	700.845	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 48 00 N
LONG 100 05 00 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

REGULATED SINCE 1959

DRAINAGE AREA,
0.84 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BELL LAKE NEAR OUTLET - STATION NO. 05LF001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	881.382	880.184	878.782	---	---	---	1
2	---	---	---	---	---	---	881.318	880.148	878.744	---	---	---	2
3	---	---	---	---	---	---	881.274	880.128	878.721	---	---	---	3
4	---	---	---	---	---	---	881.234	880.118	878.732	---	---	---	4
5	---	---	---	---	---	881.884	881.181	880.103	878.707	---	---	---	5
6	---	---	---	879.884	---	881.812	881.143	880.081	878.704	---	---	---	6
7	---	---	---	---	---	881.878	881.116	880.078	878.701	---	---	---	7
8	---	---	---	---	---	881.788	881.078	880.070	878.692	---	---	---	8
9	---	---	---	---	---	881.838	881.034	880.045	---	---	---	---	9
10	---	---	---	---	---	881.844	880.984	880.030	---	---	---	---	10
11	---	---	---	---	---	881.838	880.881	880.008	---	---	---	---	11
12	---	---	---	---	---	881.828	880.859	879.987	---	---	---	---	12
13	---	---	---	---	---	881.807	880.823	879.964	---	---	---	---	13
14	---	---	---	---	---	881.783	880.788	879.978	---	---	---	---	14
15	---	---	---	---	---	881.762	880.788	879.980	---	---	---	---	15
16	---	---	---	---	---	881.735	880.722	879.945	---	---	---	---	16
17	---	---	---	---	---	881.707	880.840	879.923	---	---	---	---	17
18	---	---	---	---	---	881.700	880.825	879.917	---	---	---	---	18
19	---	---	---	---	---	881.843	880.578	879.899	---	---	---	---	19
20	---	---	---	---	---	881.878	880.530	879.887	---	---	---	---	20
21	---	---	---	---	---	881.824	880.483	879.889	---	---	---	---	21
22	---	---	---	---	---	881.882	880.457	879.883	---	---	---	---	22
23	---	---	---	---	881.884	881.868	880.414	879.853	---	---	---	---	23
24	---	---	---	---	881.821	881.878	880.393	879.841	---	---	---	---	24
25	---	---	---	---	881.848	881.868	880.384	879.832	---	---	---	---	25
26	---	---	---	---	881.878	881.818	880.378	879.817	---	---	---	---	26
27	---	---	878.882	---	881.710	881.484	880.347	879.808	---	---	---	---	27
28	---	---	---	---	881.781	881.481	880.305	879.788	---	---	---	---	28
29	---	---	---	---	881.774	881.426	880.285	879.788	---	---	---	---	29
30	---		---	---	881.777	881.388	880.235	879.777	---	---	---	---	30
31	---		---		881.771		880.182	879.788		---	---	---	31
MEAN	---	---	---	---	---	---	880.735	879.982	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	881.382	880.184	---	---	---	---	MAX
MIN	---	---	---	---	---	---	880.182	879.788	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 32 30 N
LONG 101 13 40 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

REGULATED SINCE 1955

DRAINAGE AREA,
59 1 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BELL RIVER NEAR BELLSITE - STATION NO. 05LF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.301	0.375	2.18	4.48	2.83	1.42	1.01	2.29	---	---	1
2	---	---	0.301	C.382	2.41	4.15	2.73	0.818	0.889	2.89	---	---	2
3	---	---	0.301	0.388	2.78	3.93	2.88	0.843	1.01	3.58	---	---	3
4	---	---	0.301	0.395	2.90	3.86	2.96	0.947	1.00	3.43	---	---	4
5	---	---	0.301	0.858	3.21	4.57	2.49	0.878	0.983	3.91	---	---	5
6	---	---	0.301	0.952	3.07	4.71	2.44	0.832	0.908	4.89	---	---	6
7	---	---	0.301	1.30	2.37	14.0	2.35	0.818	1.07	4.80	---	---	7
8	---	---	0.301	1.89	2.20	11.5	3.35	0.777	0.928	4.49	---	---	8
9	---	---	0.301	2.14	2.35	8.50	2.27	0.783	0.878	4.55	---	---	9
10	---	---	0.301	2.87	4.07	8.28	2.18	0.788	0.824	4.40	---	---	10
11	---	---	0.301	3.17	5.82	5.43	2.11	0.778	0.783	4.11	---	---	11
12	---	---	0.301	4.05	5.83	4.83	2.00	0.801	0.873	3.88	---	---	12
13	---	---	0.301	3.88	5.01	4.40	1.99	0.820	1.22	3.55	---	---	13
14	---	---	0.301	3.87	4.85	4.11	1.95	0.838	1.08	3.39	---	---	14
15	---	---	0.301	3.81	4.84	3.84	1.99	0.828	0.928	3.10	---	---	15
16	---	---	0.301	3.82	4.45	3.83	1.90	1.04	0.788	6.27	---	---	16
17	---	---	0.301	3.14	5.18	3.89	1.87	1.04	0.718	6.08	---	---	17
18	---	---	0.301	3.22	5.38	3.72	1.84	1.05	0.815	6.18	---	---	18
19	---	---	0.301	3.28	5.85	3.43	1.78	1.03	0.473	7.12	---	---	19
20	---	---	0.301	3.18	5.48	3.38	1.73	1.04	0.423	8.13	---	---	20
21	---	---	0.301	3.09	5.68	3.41	1.75	1.02	0.708	8.09	---	---	21
22	---	---	0.308	3.03	3.98	4.17	1.73	0.984	2.81	8.31	---	---	22
23	---	---	0.314	2.81	4.27	4.78	1.70	0.978	2.78	8.34	---	---	23
24	---	---	0.321	2.80	4.83	4.18	1.70	0.951	2.48	9.28A	---	---	24
25	---	---	0.328	3.43	4.55	3.78	1.68	0.986	2.30	4.04E	---	---	25
26	---	---	0.335	3.22	5.13	3.48	1.78	1.00	3.18	2.838	---	---	26
27	---	---	0.341	3.81	5.88	3.23	1.73	0.978	2.08	2.738	---	---	27
28	---	---	0.348	2.84	5.81	3.08	1.84	0.888	1.98	2.598	---	---	28
29	---	---	0.355	2.42	5.23	2.90	1.88	0.978	3.07	2.368	---	---	29
30	---		0.361	2.42	5.84	2.84	1.88	1.03	2.18	2.238	---	---	30
31	---		0.388		4.88		1.85	1.03		2.088	---	---	31
TOTAL	---	---	9.700	74.788	140.31	142.71	82.42	29.088	39.018	133.83	---	---	TOTAL
MEAN	---	---	0.313	2.49	4.83	4.78	2.01	0.938	1.30	4.31	---	---	MEAN
MAX	---	---	0.388	4.05	8.81	14.0	2.83	1.42	2.81	8.18	---	---	MAX
MIN	---	---	0.301	0.375	2.18	3.84	1.85	0.778	0.423	2.08	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.58
MAXIMUM DAILY, 14.0 ON JUN 7
MINIMUM DAILY, 0.301 ON MAR 1
MAXIMUM INSTANTANEOUS,
19.3 AT 19.14 CST ON JUN 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 38 10 N
LONG 101 02 16 W
DRAINAGE AREA, 170 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1955

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	8 280
FEB	---	AUG	2 810
MAR	838	SEP	3 370
APR	6 480	OCT	11 500
MAY	12 100	NOV	---
JUN	12 300	DEC	---

TOTAL DISCHARGE, 84 500 dam³

BERENS RIVER AT OUTLET OF LONG LAKE - STATION NO. 05RD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.3B	12.4B	11.9 B	11.0B	21.4	36.7	74.7	66.0	37.1	23.8	25.4	24.1B	1
2	11.3B	12.4B	11.9 B	11.2B	21.6	37.3	75.2	65.1	36.2	23.4	25.4	25.5B	2
3	11.8B	12.5B	11.8 B	11.5B	21.7	38.0	75.1	63.7	35.1	23.2	25.6B	25.7B	3
4	11.8B	12.7B	11.7 B	11.8B	21.9	39.3	75.7	62.5	34.6	23.0	25.6B	25.9B	4
5	11.7B	12.6B	11.6 B	12.3B	22.1	40.2	76.1	61.3	34.0	22.6	25.4B	26.1B	5
6	11.7B	12.6B	11.5 B	12.9B	22.3	41.0	75.0	59.9	33.7	22.3	25.1B	25.6B	6
7	11.6B	12.6B	11.4 B	13.8B	22.9	42.7	73.6	58.4	32.7	22.1	24.8B	26.5B	7
8	11.8B	12.6B	11.3 B	14.7B	23.7	43.7	73.5	56.8	31.8	21.9	24.6B	26.4B	8
9	11.6B	12.7B	11.1 B	15.8B	24.4	44.7	73.2	56.0	31.5	21.7	24.3B	26.8B	9
10	11.9B	12.5B	11.1 B	16.1	24.8	46.1	72.7	54.8	30.6	21.5	23.7B	26.2B	10
11	12.0B	12.4B	11.0 B	16.6	25.8	47.6	72.4	53.7	30.0	21.5	23.5B	26.1B	11
12	11.9B	12.4B	10.9 B	17.1	26.5	48.9	72.5	52.6	29.9	21.5	23.3B	27.5B	12
13	11.8B	12.4B	10.7 B	17.4	27.0	50.1A	72.7	52.2	29.6	21.3	23.0B	27.4B	13
14	11.8B	12.5B	10.7 B	17.7	27.5	51.7	73.6	50.3	29.3	20.9	22.7B	27.8B	14
15	11.6B	12.5B	10.7 B	18.0	27.8	52.9	74.1	49.0	28.7	21.0	22.5B	28.5B	15
16	11.8B	12.5B	10.6 B	18.3	28.0	53.9	74.1	48.3	28.5	21.2	22.3B	28.2B	16
17	11.8B	12.6B	10.5 B	18.6	27.9	55.3	74.5	47.5	27.9	21.7	22.2B	28.6B	17
18	11.8B	12.6B	10.3 B	19.0	28.2	57.2	74.7	46.9	27.0	22.2	22.0B	28.6B	18
19	11.8B	12.6B	10.3 B	19.4	28.8	58.5	74.5	46.3	26.7	22.4	21.8B	28.5B	19
20	11.8B	12.7B	10.2 B	19.6	29.4	59.6	74.2	45.2	26.3	22.5	21.8B	28.6B	20
21	11.8B	12.7B	10.1 B	20.0	30.0	60.6	74.1	44.5	26.2	23.0	21.6B	28.0B	21
22	12.0B	12.7B	10.0 B	20.2	30.5	62.4	73.3	44.5	26.7	23.4	21.8B	28.5B	22
23	12.0B	12.7B	9.90B	20.4	30.7	66.9	72.8	43.7	26.3	23.7	22.2B	28.5B	23
24	12.0B	12.8B	9.80B	20.5	31.6	68.1	72.1	42.8	26.0	24.2	22.6B	28.3B	24
25	12.1B	12.8B	9.70B	20.8	32.9	70.0	71.4	42.2	25.8	24.4	23.0B	28.2B	25
26	12.4B	12.3B	9.60B	20.7	33.6	71.1	70.9	41.5	25.2	24.7	23.6B	28.3B	26
27	12.4B	12.2B	9.70B	20.8	34.2	72.3	69.9	40.6	24.9	25.0	24.2B	30.1B	27
28	12.4B	12.1B	9.87B	21.2	34.7	73.1	69.3	39.6	24.8	25.4	24.3B	30.4B	28
29	12.6B	12.0B	10.3 B	21.4	35.2	73.9	67.5	38.1	24.4	25.6	24.3B	30.4B	29
30	12.4B		10.5 B	21.5	35.5	74.2	67.0	37.7	24.1	25.6	24.4B	30.3B	30
31	12.4B		10.7 B		36.0		66.6	37.8		25.7		30.3B	31
TOTAL	358.2	363.4	331.27	520.3	884.2	1 639.0	2 258.0	1 581.0	876.0	712.4	707.7	874.9	TOTAL
MEAN	11.6	12.5	10.7	17.3	28.0	54.6	72.8	51.0	29.2	23.0	23.6	28.2	MEAN
MAX	12.6	12.8	11.9	21.5	36.0	74.2	76.1	66.0	37.1	25.7	25.6	30.4	MAX
MIN	11.2	12.0	9.60	11.0	21.4	36.7	66.6	37.7	24.1	20.9	21.6	24.1	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 30.2
MAXIMUM DAILY, 76.1 ON JUL 5
MINIMUM DAILY, 9.60B ON MAR 26
MAXIMUM INSTANTANEOUS,
76.2 AT 17:41 CST ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 12 10 N
LONG 96 08 10 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	30 900	JUL	195 000
FEB	31 400	AUG	137 000
MAR	28 600	SEP	75 700
APR	45 000	OCT	61 600
MAY	76 000	NOV	61 100
JUN	142 000	DEC	75 600

TOTAL DISCHARGE, 957 000 dam³

BIG GRASS RIVER NEAR GLENELLA - STATION NO. 05LL015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.505	0.077	0.228	1.08	0.002	0	0	---	---	1
2	---	---	0 B	0.447	0.083	0.184	0.852	0.002	0	0	---	---	2
3	---	---	0 B	0.407	0.086	0.180	0.824	0.001	0	0	---	---	3
4	---	---	0 B	0.358	0.169	0.067	0.682	0	0	0	---	---	4
5	---	---	0 B	0.370	0.674	0.053	0.598	0	0	0	---	---	5
6	---	---	0 B	0.354	0.836	0.068	0.628	0	0	0	---	---	6
7	---	---	0 B	0.385	1.05	0.121	0.488	0	0	0	---	---	7
8	---	---	0 B	0.402	1.06	0.182	0.441	0	0	0	---	---	8
9	---	---	0 B	0.500	1.35	0.363	0.382	0	0	0	---	---	9
10	---	---	0 B	0.474	1.23	0.480	0.348	0	0	0	---	---	10
11	---	---	0 B	0.442	1.13	0.378	0.304	0	0	0	---	---	11
12	---	---	0 B	0.485	1.01	0.302	0.281	0	0	0	---	---	12
13	---	---	0 B	0.884	0.884	0.248	0.218	0	0	0	---	---	13
14	---	---	0 B	1.14	0.889	0.210	0.185	0	0	0	---	---	14
15	---	---	0 B	0.778	0.800	0.176	0.158	0	0	0	---	---	15
16	---	---	0 B	0.558	0.673	0.141	0.135	0	0	0	---	---	16
17	---	---	0 B	0.409	0.574	0.176	0.121	0	0	0	---	---	17
18	---	---	0 B	0.363	0.503	0.239	0.113	0	0	0	---	---	18
19	---	---	0 B	0.293	0.441	0.133	0.088	0	0	0.001	---	---	19
20	---	---	0 B	0.219	0.421	0.088	0.084	0	0	0.001	---	---	20
21	---	---	0 B	0.175	0.451	0.131	0.088	0	0	0.418	---	---	21
22	---	---	0 B	0.159	0.458	0.239	0.057	0	0	1.13	---	---	22
23	---	---	0 B	0.182	0.407	3.61	0.046	0	0	0.685	---	---	23
24	---	---	0.001 B	0.172	0.385	8.75	0.038	0	0	0.706	---	---	24
25	---	---	0.002 B	0.182	0.368	7.51	0.027	0	0	0.484	---	---	25
26	---	---	0.118 B	0.176	0.361	4.53	0.018	0	0	0.381	---	---	26
27	---	---	0.471 B	0.146	0.392	2.88	0.011	0	0	0.339	---	---	27
28	---	---	0.632 B	0.071 B	0.321	3.15	0.007	0	0	0.406	---	---	28
29	---	---	0.888 B	0.058 B	0.272	1.88	0.003	0	0	0.474 B	---	---	29
30	---		0.785 B	0.047 B	0.244	1.30	0.005	0	0	0.381 B	---	---	30
31	---		0.525 B		0.318		0.004	0		0.288 B		---	31
TOTAL	---	---	3.381	11.112	17.881	36.765	8.270	0.005	0	5.885	---	---	TOTAL
MEAN	---	---	0.109	0.370	0.577	1.23	0.267	0	0	0.190	---	---	MEAN
MAX	---	---	0.889	1.14	1.35	8.75	1.08	0.002	0	1.13	---	---	MAX
MIN	---	---	0	0.047	0.077	0.047	0.003	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.340
MAXIMUM DAILY, 8.75 ON JUN 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.01 AT 10:37 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 30 22 N
LONG 98 58 15 W
DRAINAGE AREA, 1 050 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	715
FEB	---	AUG	0.43
MAR	292	SEP	0
APR	960	OCT	508
MAY	1 550	NOV	---
JUN	3 180	DEC	---

TOTAL DISCHARGE, 7 210 dam³

BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS - STATION NO. 05KH003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	259.934	259.868	259.718	259.617	259.762	259.654	259.810A	---	---	1
2	---	---	---	259.936	259.814	259.725	259.628	259.753	259.656	259.785	---	---	2
3	---	---	---	259.929	259.720	259.714	259.607	259.747	259.669	259.783	---	---	3
4	---	---	---	259.939	259.695	259.727	259.786	259.741	259.673A	259.772	---	---	4
5	---	---	---	259.937	259.688	259.786	259.798	259.730	---	259.787	---	---	5
6	---	---	---	259.948	259.686	259.780	259.805	259.722	---	259.799	---	---	6
7	---	---	---	259.954	259.686	259.773	259.825	259.728	---	259.787	---	---	7
8	---	---	---	259.959	259.690	259.787	259.849	259.720	---	259.785	---	---	8
9	---	---	---	259.967	259.697	259.816	259.863	259.710	---	259.786	---	---	9
10	---	---	---	259.988	259.696	259.854	259.857	259.700	---	259.782	---	---	10
11	---	---	---	259.972	259.710	259.856	259.859	259.717	---	259.776	---	---	11
12	---	---	---	259.972	259.704	259.832	259.880	259.720	---	259.777	---	---	12
13	---	---	---	259.978	259.701	259.808	259.815	259.709	---	259.778	---	---	13
14	---	---	---	259.983	259.682	259.808	259.880	259.711	---	259.778	---	---	14
15	---	---	---	259.985	259.687	259.818	259.854	259.685	---	259.778	---	---	15
16	---	---	---	259.922	259.671	259.812	259.854	259.685	---	259.769	---	---	16
17	---	---	---	259.904	259.683	259.810	259.840	259.700	---	259.811	---	---	17
18	---	---	---	259.906	259.697	259.828	259.833	259.699	---	259.811	---	---	18
19	---	---	---	259.892	259.681	259.822	259.842	259.686	---	259.807	---	---	19
20	---	---	---	259.890	259.654	259.812	259.825	259.705	---	259.812	---	---	20
21	---	---	---	259.890	259.687	259.824	259.852	259.689D	---	---	---	---	21
22	---	---	---	259.888	259.700	259.828	259.859	259.686E	---	---	---	---	22
23	---	---	---	259.882	259.671	259.834	259.824	259.687E	---	---	---	---	23
24	---	---	---	259.880	259.650	259.830	259.786	259.687E	---	---	---	---	24
25	---	---	---	259.881	259.663	259.823	259.770	259.686E	---	---	---	---	25
26	---	---	259.810A	259.853	259.662	259.835	259.787	259.685E	---	---	---	---	26
27	---	---	259.911	259.850	259.659	259.815	259.769	259.684A	---	---	---	---	27
28	---	---	259.947	259.853	262.655	259.810	259.757	259.683	---	---	---	---	28
29	---	---	259.917	259.863	259.639	259.789	259.761	259.690	---	---	---	---	29
30	---		259.932	259.864	259.672	259.803	259.765	259.685	---	---	---	---	30
31	---		259.923		259.717		259.757	259.689		---		---	31
MEAN	---	---	---	259.918	259.681	259.809	259.818	259.706	---	---	---	---	MEAN
MAX	---	---	---	259.985	259.888	259.858	259.883	259.782	---	---	---	---	MAX
MIN	---	---	---	259.850	259.639	259.714	259.757	259.669	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 259.985 ON APR 15

MAXIMUM INSTANTANEOUS,
259.989 AT 21:45 CST ON APR 14

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 15 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
2 430 km²

BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS - STATION NO. 05KH004

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	257.863	257.822	258.613	258.415	258.287	257.168	256.726	256.921	---	---	1
2	---	---	257.858	257.820	258.514	258.350	258.278	257.085	256.730	256.935	---	---	2
3	---	---	257.920	257.873	258.474	258.385	258.215	257.022	256.721	256.948	---	---	3
4	---	---	257.856	257.872	258.437	258.384	258.133	257.007	256.861	256.953	---	---	4
5	---	---	257.850	258.051	258.403	258.338	258.089	257.023	256.832	256.931	---	---	5
6	---	---	257.796	258.188	258.370	258.306	258.042	257.048	256.863	256.872	---	---	6
7	---	---	257.784	258.302	258.291	258.320	257.981	257.017	256.718	256.853	---	---	7
8	---	---	257.777	258.447	258.213	258.456	257.917	256.982	256.831	256.869	---	---	8
9	---	---	257.782	258.602	258.148	258.447	257.798	256.948	257.008	256.883	---	---	9
10	---	---	257.798	258.754	258.122	258.319	257.724	256.926	256.980	256.848	---	---	10
11	---	---	257.807	258.908	258.143	258.185	257.707	256.900	256.915	256.894	---	---	11
12	---	---	257.818	258.988	258.100	258.132	257.711	256.872	256.898	256.870	---	---	12
13	---	---	257.838	259.108	258.023	258.171	257.761	256.873	256.857	257.028	---	---	13
14	---	---	257.868	259.212	257.958	258.143	257.798	256.837	256.893	256.983	---	---	14
15	---	---	257.859	259.246	257.935	258.103	257.832	256.802	256.867	256.952	---	---	15
16	---	---	257.840	259.382	257.918	258.088	257.745	256.783	256.814	257.082	---	---	16
17	---	---	257.846	259.392	257.925	258.098	257.647	256.785	256.803	257.287	---	---	17
18	---	---	257.881	259.249	257.832	258.123	257.584	256.774	256.782	257.227	---	---	18
19	---	---	257.854	259.181	257.938	258.098	257.526	256.761	256.771	257.238	---	---	19
20	---	---	257.818	259.182	258.011	258.087	257.497	256.770	256.812	257.274	---	---	20
21	---	---	257.788	259.182	258.048	258.086	257.496	256.755	256.920	257.303	---	---	21
22	---	---	257.786	259.120	258.100	258.125	257.456	256.766	257.130	257.264	---	---	22
23	---	---	257.786	259.047	258.187	258.182	257.380	256.743	257.327	257.217	---	---	23
24	---	---	257.815	259.002	258.197	258.246	257.334	256.711	257.147	257.195	---	---	24
25	---	---	257.839	258.985	258.230	258.248	257.347	256.712	256.934	257.188	---	---	25
26	---	---	257.844	258.894	258.217	258.238	257.340	256.693	256.852	257.061	---	---	26
27	---	---	257.821	258.878	258.254	258.218	257.410	256.695	256.817	257.000	---	---	27
28	---	---	257.838	258.879	258.298	258.234	257.395	256.771	256.801	257.023	---	---	28
29	---	---	257.868	258.928	258.316	258.258	257.324	256.788	256.803	257.219	---	---	29
30	---		257.871	258.788	258.382	258.278	257.267	256.743	256.858	257.278	---	---	30
31	---		257.868		258.418		257.212	256.734		257.341		---	31
MEAN	---	---	257.835	258.788	258.193	258.235	257.686	256.854	256.857	257.085	---	---	MEAN
MAX	---	---	257.920	259.392	258.613	258.456	258.287	257.168	257.327	257.341	---	---	MAX
MIN	---	---	257.777	257.820	257.832	258.088	257.212	256.695	256.832	256.848	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 259.392 ON APR 17

MAXIMUM INSTANTANEOUS,
259.456 AT 04:33 CST ON APR 17

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

REMARKS - WATER LEVELS ARE AFFECTED BY HIGH STAGES ON THE SASKATCHEWAN RIVER

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 30 N
LONG 101 15 30 W

DRAINAGE AREA,
2 430 km²

BIRCH RIVER NEAR BIRCH RIVER - STATION NO. 05LE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.2548	0.4428	3.18	3.27	1.11	0.124	0.049	1.48	---	---	1
2	---	---	0.2548	0.4868	3.37	2.88	0.8718	0.119	0.052	1.84	---	---	2
3	---	---	0.2563	0.4898	3.56	2.86	0.8498	0.139	0.084	1.78	---	---	3
4	---	---	0.2548	0.5488	3.59	2.33	0.7418	0.132	0.086	1.77	---	---	4
5	---	---	0.2548	1.04 B	3.43	2.08	0.6348	0.776	0.050	1.74	---	---	5
6	---	---	0.2548	1.78 B	3.24	1.85	0.8788	0.853	0.038	1.89	---	---	6
7	---	---	0.2548	2.72 B	2.87	7.51	0.5108	0.464	0.100	1.58	---	---	7
8	---	---	0.2548	3.86 B	2.68	8.92	0.4488	0.343	0.098	1.48	---	---	8
9	---	---	0.2548	5.15 B	2.66	7.40	0.3988	0.312	0.061	1.36	---	---	9
10	---	---	0.2548	6.83 B	3.23	5.78	0.3578	0.286	0.057	1.21	---	---	10
11	---	---	0.2548	7.86 B	4.88	4.50	0.324A	0.268	0.138	1.12	---	---	11
12	---	---	0.2548	8.27 B	4.73	3.82	0.284	0.272	0.238	1.08	---	---	12
13	---	---	0.2548	7.41 B	4.25	2.88	0.300	0.278	0.377	0.983	---	---	13
14	---	---	0.2548	7.16 B	3.77	2.51	0.278	0.248	0.348	0.890	---	---	14
15	---	---	0.2548	6.84 B	3.35	2.18	0.263	0.220	0.332	0.889	---	---	15
16	---	---	0.2548	5.85	3.04	2.07	0.268	0.258	0.188	1.88	---	---	16
17	---	---	0.2548	5.23	3.20	5.16	0.250	0.184	0.200	3.51	---	---	17
18	---	---	0.2548	4.80	5.62	3.94	0.228	0.158	0.243	3.46	---	---	18
19	---	---	0.2548	4.30	8.88	3.03	0.203	0.148	0.316	3.07	---	---	19
20	---	---	0.2548	3.83	8.44	2.80	0.195	0.152	0.881	2.83	---	---	20
21	---	---	0.2858	3.46	7.97	2.38	0.184	0.131	0.718	2.19	---	---	21
22	---	---	0.2768	3.14	8.86	3.08	0.183	0.128	1.38	1.73	---	---	22
23	---	---	0.2918	3.08	5.48	3.42	0.171	0.104	1.18	1.44	---	---	23
24	---	---	0.3218	2.81	5.75	2.84	0.189	0.091	1.10	1.28	---	---	24
25	---	---	0.3338	4.52	6.88	2.50	0.164	0.088	1.10	1.28 B	---	---	25
26	---	---	0.3728	4.27	6.08	2.28	0.171	0.087	1.15	1.28 B	---	---	26
27	---	---	0.4118	3.87	5.84	1.92	0.178	0.084	1.17	1.28 B	---	---	27
28	---	---	0.4148	3.16	5.11	1.87	0.149	0.041	1.18	1.28 B	---	---	28
29	---	---	0.4178	3.15	5.14	1.38	0.134	0.032	1.32	1.28 B	---	---	29
30	---	---	0.4208	3.18	4.39	1.31	0.131	0.031	1.42	1.28 B	---	---	30
31	---	---	0.4278		3.88		0.128	0.028		1.28 B	---	---	31
TOTAL	---	---	8.027	119.043	148.81	99.94	10.948	8.574	18.059	50.972	---	---	TOTAL
MEAN	---	---	0.281	3.97	4.74	3.33	0.353	0.212	0.602	1.84	---	---	MEAN
MAX	---	---	0.427	8.27	8.86	8.92	1.11	0.853	1.42	3.51	---	---	MAX
MIN	---	---	0.254	0.442	2.56	1.21	0.128	0.028	0.038	0.889	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.87
MAXIMUM DAILY, 8.86 ON MAY 19
MINIMUM DAILY, 0.028 ON AUG 31
MAXIMUM INSTANTANEOUS,
10.8 AT 18:40 CST ON JUN 7

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 22 28 N
LONG 101 05 00 W
DRAINAGE AREA, 138 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	845
FEB	---	AUG	588
MAR	780	SEP	1 300
APR	10 300	OCT	4 400
MAY	12 700	NOV	---
JUN	8 830	DEC	---

TOTAL DISCHARGE, 39 800 dam³

BIRD RIVER AT OUTLET OF BIRD LAKE - STATION NO 05PJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.9238	1.158	8.66	7.82	---	---	---	---	---	---	1
2	---	---	0.9248	1.168	8.62	7.78	---	---	---	---	---	---	2
3	---	---	0.9458	1.16	8.67	7.88	---	---	---	---	---	---	3
4	---	---	0.9538	1.20	8.86	7.88	---	---	---	---	---	---	4
5	---	---	0.9288	1.27	8.81	7.74	---	---	---	---	---	---	5
6	---	---	0.9318	1.37	8.78	8.07	---	---	---	---	---	---	6
7	---	---	0.9268	1.51	8.70	8.80	---	---	---	---	---	---	7
8	---	---	0.9278	1.75	8.62	8.91	---	---	---	---	---	---	8
9	---	---	0.9158	2.07	8.56	10.9	---	---	---	---	---	---	9
10	---	---	0.9178	2.46	8.49	11.6	---	---	---	---	---	---	10
11	---	---	0.9088	2.86	8.43	12.0	---	---	---	---	---	---	11
12	---	---	0.9078	3.52	8.36	12.5	---	---	---	---	---	---	12
13	---	---	0.8978	3.97	8.28	12.9	---	---	---	---	---	---	13
14	---	---	0.9338	4.44	8.22	13.1	---	---	---	---	---	---	14
15	---	---	0.9488	4.82	8.08	13.3	---	---	---	---	---	---	15
16	---	---	0.9813	5.18	7.96	13.7	---	---	---	---	---	---	16
17	---	---	0.9883	5.45	7.87	14.8	---	---	---	---	---	---	17
18	---	---	1.01 B	5.88	7.84	15.6	---	---	---	---	---	---	18
19	---	---	1.05 B	5.88	7.74	16.1	---	---	---	---	---	---	19
20	---	---	1.08 B	5.98	7.84	16.3	---	---	---	---	---	---	20
21	---	---	1.09 B	6.10	7.87	16.2	---	---	---	---	---	---	21
22	---	---	1.10 B	6.23	8.02	16.0	---	---	---	---	---	---	22
23	---	---	1.10 B	6.23	8.13	15.8	---	---	---	---	---	---	23
24	---	---	1.10 B	6.36	8.37	15.8	---	---	---	---	---	---	24
25	---	---	1.11 B	6.47	8.31	15.7	---	---	---	---	---	---	25
26	---	---	1.11 B	6.74	8.26	15.8	---	---	---	---	---	---	26
27	---	---	1.11 B	7.15	8.31	15.9	---	---	---	---	---	---	27
28	---	---	1.11 B	7.61	8.24	16.0	---	---	---	---	---	---	28
29	---	---	1.11 B	8.07	8.19	15.8	---	---	---	---	---	---	29
30	---	---	1.11 B	8.37	8.02	15.8	---	---	---	---	---	---	30
31	---	---	1.13 B		8.02		---	---	---	---	---	---	31
TOTAL	---	---	31.203	132.31	257.07	387.02	---	---	---	---	---	---	TOTAL
MEAN	---	---	1.01	4.41	8.29	12.9	---	---	---	---	---	---	MEAN
MAX	---	---	1.13	8.37	8.87	16.3	---	---	---	---	---	---	MAX
MIN	---	---	0.907	1.16	7.84	7.68	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.62
MAXIMUM DAILY, 16.3 ON JUN 20
MINIMUM DAILY, 0.9070 ON MAR 13
MAXIMUM INSTANTANEOUS,
17.2 AT 21:36 CST ON JUN 23

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 45 N
LONG 98 24 50 W
DRAINAGE AREA, 1 070 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	2 700	SEP	---
APR	11 400	OCT	---
MAY	22 200	NOV	---
JUN	33 400	DEC	---

TOTAL DISCHARGE, 69 700 dam³

BIRDTAIL CREEK NEAR BIRTLE - STATION NO 05MD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3328	1.35	0.952	1.24	1.07	0.001	0	0	---	---	1
2	---	---	0.3408	1.28	0.857	1.18	0.988	0.001	0	0	---	---	2
3	---	---	0.3488	1.18	0.814	1.08	0.920	0.001	0	0	---	---	3
4	---	---	0.3568	1.38	1.42	0.895	0.728	0.001	0	0	---	---	4
5	---	---	0.3648	2.08	1.78	0.716	0.388	0.001	0	0	---	---	5
6	---	---	0.3728	1.92	1.87	0.827	0.247	0.001	0	0	---	---	6
7	---	---	0.3808	1.84	1.81	0.811	0.191	0	0	0	---	---	7
8	---	---	0.3888	2.02	2.02	0.588	0.188	0	0	0	---	---	8
9	---	---	0.3968	2.46	2.01	0.548	0.128	0	0	0	---	---	9
10	---	---	0.4048	2.80	1.88	0.547	0.101	0	0	0	---	---	10
11	---	---	0.4128	2.48	1.80	0.545	0.088	0	0	0	---	---	11
12	---	---	0.4208	2.38	1.89	0.583	0.036	0	0	0	---	---	12
13	---	---	0.4288	2.48	2.08	0.578	0.018	0	0	0	---	---	13
14	---	---	0.4368	2.80	2.18	0.597	0.017	0	0	0	---	---	14
15	---	---	0.4448	2.87	2.40	0.611	0.013	0	0	0	---	---	15
16	---	---	0.4528	2.77	2.32	0.621	0.010	0	0	0	---	---	16
17	---	---	0.4608	2.64	2.11	0.554	0.008	0	0	0	---	---	17
18	---	---	0.4688	2.37	1.60	1.16	0.006	0	0	0	---	---	18
19	---	---	0.4768	1.90	1.68	1.77	0.005	0	0	0	---	---	19
20	---	---	0.4848	1.58	1.58	1.83	0.004	0	0	0	---	---	20
21	---	---	0.4928	1.22	1.46	1.29	0.004	0	0	0	---	---	21
22	---	---	0.5008	0.950	1.36	1.21	0.004	0	0	0.288	---	---	22
23	---	---	0.5088	0.904	1.28	1.16	0.003	0	0	0.635	---	---	23
24	---	---	0.5168	0.828	1.30	2.25	0.003	0	0	0.768	---	---	24
25	---	---	0.5248	0.718	1.28	3.84	0.003	0	0	0.8618	---	---	25
26	---	---	0.5328	0.588	1.43	3.28	0.002	0	0	0.8488	---	---	26
27	---	---	0.838	0.827	2.00	3.17	0.002	0	0	0.8588	---	---	27
28	---	---	0.748	0.857	1.88	2.81	0.002	0	0	0.8888	---	---	28
29	---	---	0.954	0.848	1.78	1.88	0.002	0	0	0.4888	---	---	29
30	---	---	1.35	0.848	1.58	1.18	0.002	0	0	0.4288	---	---	30
31	---		1.44		1.38		0.001	0		0.3708		---	31
TOTAL	---	---	18.382	50.008	50.893	38.187	5.129	0.008	0	5.886	---	---	TOTAL
MEAN	---	---	0.828	1.67	1.64	1.27	0.165	0	0	0.183	---	---	MEAN
MAX	---	---	1.44	2.77	2.40	3.84	1.07	0.001	0	0.835	---	---	MAX
MIN	---	---	0.332	0.848	0.852	0.848	0.001	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.679
MAXIMUM DAILY, 3.84 ON JUN 25
MINIMUM DAILY, 0 ON AUG 7
MAXIMUM INSTANTANEOUS,
3.84 AT 21:24 CST ON JUN 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 50 N
LONG 100 57 00 W
DRAINAGE AREA, 1 120 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	443
FEB	---	AUG	0.52
MAR	1 410	SEP	0
APR	4 320	OCT	491
MAY	4 410	NOV	---
JUN	3 300	DEC	---

TOTAL DISCHARGE, 14 400 dam³

BIRNIE CREEK NEAR BIRNIE - STATION NO 05LL017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.175	0.126	0.044	0.048	0	0	0.008	---	---	1
2	---	---	0 B	0.161	0.168	0.037	0.018	0	0	0.007	---	---	2
3	---	---	0 B	0.168	0.227	0.037	0.012	0	0	0.006	---	---	3
4	---	---	0 B	0.180	0.308	0.018	0.011	0	0	0.008	---	---	4
5	---	---	0 B	0.185	0.309	0.013	0.009	0	0	0.006	---	---	5
6	---	---	0 B	0.188	0.323	0.042	0.009	0	0	0.007	---	---	6
7	---	---	0 B	0.169	0.314	0.248	0.009	0	0	0.007	---	---	7
8	---	---	0 B	0.173	0.273	0.265	0.008	0	0	0.008	---	---	8
9	---	---	0 B	0.183	0.238	0.207	0.007	0	0	0.008	---	---	9
10	---	---	0 B	0.188	0.333	0.178	0.008	0	0	0.007	---	---	10
11	---	---	0 B	0.278	0.238	0.134	0.011	0	0.002	0.008	---	---	11
12	---	---	0 B	0.851	0.254	0.133	0.008	0	0.007	0.012	---	---	12
13	---	---	0 B	0.878	0.304	0.081	0.008	0	0.010	0.011	---	---	13
14	---	---	0 B	0.887	0.311	0.068	0.012	0	0.008	0.011	---	---	14
15	---	---	0 B	0.397	0.271	0.039	0.010	0	0.008	0.018	---	---	15
16	---	---	0 B	0.295	0.244	0.030	0.008	0	0.007	0.407	---	---	16
17	---	---	0 B	0.227	0.211	0.078	0.008	0	0.008	0.490	---	---	17
18	---	---	0 B	0.151	0.188	0.102	0.007	0	0.005	0.387	---	---	18
19	---	---	0 B	0.118	0.175	0.110	0.007	0	0.004	0.289	---	---	19
20	---	---	0 B	0.089	0.194	0.077	0.006	0	0.003	1.32	---	---	20
21	---	---	0.0118	0.087	0.212	0.060	0.005	0	0.008	1.27	---	---	21
22	---	---	0.0218	0.082	0.182	0.342	0.003	0	0.024	0.881	---	---	22
23	---	---	0.0328	0.081	0.188	3.65	0.002	0	0.028	0.431	---	---	23
24	---	---	0.0428	0.087	0.180	2.37	0	0	0.015	0.298	---	---	24
25	---	---	0.0538	0.080	0.178	1.56	0	0	0.011	0.208	---	---	25
26	---	---	0.1028	0.085	0.153	0.848	0	0	0.010	0.178	---	---	26
27	---	---	0.388	0.043	0.138	0.418	0	0	0.008	0.183	---	---	27
28	---	---	0.337	0.082	0.111	0.237	0	0	0.008	0.103	---	---	28
29	---	---	0.287	0.086	0.088	0.101	0	0	0.006	0.0748	---	---	29
30	---	---	0.235	0.123	0.085	0.084	0	0	0.005	0.0418	---	---	30
31	---		0.210		0.088		0	0		0.0278		---	31
TOTAL	---	---	1.778	5.138	5.477	11.803	0.335	0	0.190	5.412	---	---	TOTAL
MEAN	---	---	0.057	0.205	0.209	0.387	0.008	0	0.006	0.207	---	---	MEAN
MAX	---	---	0.388	0.878	0.323	3.65	0.048	0	0.028	1.32	---	---	MAX
MIN	---	---	0	0.043	0.088	0.013	0	0	0	0.008	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.134
MAXIMUM DAILY, 3.65 ON JUN 23
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
4.79 AT 08:30 CST ON JUN 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 50 N
LONG 98 27 00 W
DRAINAGE AREA, 83.9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	30.3
FEB	---	AUG	0
MAR	153	SEP	10.4
APR	530	OCT	584
MAY	580	NOV	---
JUN	1 000	DEC	---

TOTAL DISCHARGE, 2 830 dam³

BLACK RIVER NEAR MANIGOTAGAN - STATION NO. 05RA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.161B	0.194B	0.138B	0.339	5.48	3.17	7.81	1.61	0.309	0.180	9.28	3.81	1
2	0.164B	0.195B	0.139B	0.374	5.29	3.13	7.32	1.53	0.297	0.178	8.34	3.16	2
3	0.168B	0.194B	0.138B	0.413	5.35	2.97	6.00	1.44	0.288	0.178	7.87	2.68	3
4	0.163B	0.190B	0.137B	0.490	5.38	2.73	5.98	1.35	0.252	0.182	8.81	2.45	4
5	0.197B	0.182B	0.143B	0.558	5.51	2.49	5.54	1.29	0.230E	0.201	8.88	2.23	5
6	0.195B	0.183B	0.143B	0.721	5.46	2.48	5.22	1.23	0.236A	0.206	8.89	2.01	6
7	0.193B	0.179B	0.140B	1.20	5.38	3.10	4.84	1.19	0.218	0.200	8.34	2.04	7
8	0.188B	0.181B	0.136B	1.93	5.24	3.80	4.78	1.12	0.202	0.197	8.14	2.04	8
9	0.188B	0.180B	0.126B	2.53	5.06	5.11	4.38	1.07	0.202	0.188	7.87	1.95	9
10	0.180B	0.176B	0.118B	3.18	4.90	5.81	3.91	1.02	0.308	0.187	7.56	1.90	10
11	0.183B	0.176B	0.111B	3.48	4.83	5.81	3.48	0.986	0.213	0.209	7.13	1.85	11
12	0.175B	0.177B	0.112B	4.08	4.62	5.84	3.16	0.913	0.228	0.223	6.64	1.56	12
13	0.177B	0.175B	0.114B	4.58	4.63	5.85	2.94	0.884	0.222	0.241	6.45	1.54	13
14	0.178B	0.172B	0.126B	4.51	4.38	5.85	2.80	0.818	0.191	0.252	6.50	1.59	14
15	0.178B	0.172B	0.136B	4.14	4.18	6.01	2.78	0.785	0.183	0.398	6.84	1.62	15
16	0.177B	0.178B	0.148B	4.00	3.95	6.61	2.69	0.774	0.182	0.635	6.44	1.58	16
17	0.176B	0.180B	0.150B	3.78	3.73	9.17	2.72	0.784	0.157	0.773	5.57	1.37	17
18	0.177B	0.177B	0.169B	3.61	3.84	10.6	2.65	0.701	0.141	1.02	4.92	1.32	18
19	0.178B	0.173B	0.180B	3.49	3.52	11.0	2.43	0.668	0.127	2.15	4.70	1.33	19
20	0.173B	0.170B	0.188B	3.42	3.84	11.0	2.24	0.647	0.118	4.17	4.48	1.31	20
21	0.178B	0.171B	0.165B	3.38	3.73	10.6	2.11	0.584	0.132	5.59	4.22	1.37	21
22	0.182B	0.169B	0.167B	3.18	3.77	10.4	2.03	0.555	0.161	6.01	4.05	1.41B	22
23	0.190B	0.168B	0.169B	3.09	3.74	11.6	1.81	0.518	0.180	6.22	3.97	1.30B	23
24	0.189B	0.163B	0.196B	3.02	3.82	12.4	1.74	0.502	0.211	6.61	3.85	1.15B	24
25	0.188B	0.156B	0.221B	2.96	4.08	11.8	1.84	0.523	0.218	6.77	3.64	1.07B	25
26	0.187B	0.158B	0.267B	2.94	4.14	11.0	1.58	0.512	0.215	6.92	3.71	1.17B	26
27	0.194B	0.152B	0.301B	3.14	4.06	10.7	1.59	0.478	0.204	7.27	4.28	1.32B	27
28	0.196B	0.143B	0.285	4.19	3.67	10.3	1.47	0.444	0.198	6.55	4.57	1.28B	28
29	0.197B	0.141B	0.295	5.08	3.66	9.40	1.40	0.399	0.191	9.30	4.63	1.17B	29
30	0.197B		0.299	5.38	3.42	8.80	1.38	0.380	0.185	9.18	4.38	1.11B	30
31	0.196B		0.312		3.21		1.54	0.337		8.80		1.07B	31
TOTAL	5.798	5.026	5.537	87.156	135.58	225.17	102.58	25.953	6.078	92.985	184.80	52.75	TOTAL
MEAN	0.187	0.173	0.178	2.91	4.37	7.51	3.31	0.837	0.203	3.00	6.16	1.70	MEAN
MAX	0.197	0.195	0.312	5.38	5.51	12.4	7.81	1.61	0.309	9.30	9.28	3.81	MAX
MIN	0.173	0.141	0.111	0.339	3.21	2.48	1.38	0.337	0.118	0.178	3.64	1.07	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.54
MAXIMUM DAILY, 12.4 ON JUN 24
MINIMUM DAILY, 0.111B ON MAR 11
MAXIMUM INSTANTANEOUS,
12.5 AT 06:47 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 51 42 N
LONG 96 15 10 W
DRAINAGE AREA, 712 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	501	JUL	8 880
FEB	434	AUG	2 240
MAR	478	SEP	525
APR	7 530	OCT	8 030
MAY	11 700	NOV	16 000
JUN	19 500	DEC	4 560

TOTAL DISCHARGE, 80 400 dam³

BLOODVEIN RIVER ABOVE BLOODVEIN BAY - STATION NO. 05RB003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.48B	6.77B	6.56B	10.9B	53.1	62.7	80.9	62.4	28.3	18.7	72.8B	55.9B	1
2	7.39B	6.81B	6.29B	11.6B	57.7	65.6	78.2	60.7	27.5	18.4	70.9B	54.7B	2
3	7.31B	6.83B	6.39B	13.1B	62.0	66.3	76.6	58.3	27.0	18.1	68.6B	53.4B	3
4	7.23B	6.80B	6.43B	14.7B	64.5	65.9	75.0	57.5	26.5	18.0	68.4B	52.0B	4
5	7.15B	6.81B	6.37B	16.7B	65.1	64.3	74.0	56.3	26.2	17.9	67.4B	50.7B	5
6	7.08B	6.52B	6.22B	20.1	64.5	63.2	73.3	55.7	25.7	17.6	66.3B	49.2B	6
7	7.04B	6.44B	6.17B	24.8	63.0	64.4	72.7	53.9	25.0	17.6	64.7B	48.5B	7
8	6.96B	6.59B	6.20B	30.1	62.8	68.7	72.5	52.6	24.4	17.4	63.7B	46.7B	8
9	6.93B	6.46B	6.15B	35.5	62.4	71.6	72.4	51.2	23.8	17.3	62.5B	49.1B	9
10	6.87B	6.47B	6.07B	38.5	62.3	72.0	72.3	49.6	23.3	17.3	60.8B	46.9B	10
11	6.78B	6.32B	5.96B	41.3	62.8	71.0	72.1	48.1	22.8	17.9	59.2B	48.2B	11
12	6.67B	6.45B	5.73B	44.3	63.0	69.5	71.8	46.5	22.6	18.0	57.9B	47.1B	12
13	6.59B	6.56B	5.65B	48.8	62.7	68.1	71.3	45.4	22.0	18.2	56.5B	45.5B	13
14	6.42B	6.66B	5.76B	52.1	61.9	65.9	71.4	44.2	22.9	18.5	55.6B	44.2B	14
15	6.49B	6.72B	5.78B	52.7	60.7	64.1	74.1	43.2	22.6	19.5	55.9B	44.0B	15
16	6.52B	6.71B	5.86B	52.8	59.4	62.9	78.8	41.6	22.3	20.9	57.1B	44.1B	16
17	6.26B	6.77B	6.18B	52.1	57.8	62.1	85.2	40.8	21.9	24.6	55.8B	43.7B	17
18	6.28B	6.87B	6.39B	51.1	56.6	61.7	86.8	39.7	21.4	34.2	53.0B	42.4B	18
19	6.29B	7.03B	6.65B	49.5	55.8	60.9	86.1	38.2	20.9	42.4	52.4B	41.8B	19
20	6.20B	7.06B	7.21B	48.0	55.3	59.8	85.1	37.3	20.3	48.4	51.5B	41.3B	20
21	6.51B	7.10B	7.51B	46.3	55.4	58.7	84.0	36.4	20.3	52.3	50.8B	41.1B	21
22	6.55B	7.14B	7.70B	44.6	55.7	60.3	82.6	35.3	20.7	57.4	51.3B	41.1B	22
23	6.63B	7.12B	7.76B	42.4	55.8	66.2	80.6	34.2	21.6	61.3	51.5B	40.7B	23
24	6.53B	7.14B	7.77B	42.7	57.0	81.9	78.4	33.2	20.7	64.5	51.0B	40.4B	24
25	6.52B	7.16B	7.74B	41.6	60.9	88.9	76.4	32.6	20.7	66.0	50.9B	40.1B	25
26	6.43B	7.08B	7.72B	41.3	63.7	92.2	74.3	32.1	20.5	66.9	52.1B	39.5B	26
27	6.54B	6.94B	7.64B	41.7	64.6	92.3	72.0	31.7	20.2	69.1	54.5B	39.1B	27
28	6.65B	6.78B	8.02B	43.0	64.2	89.0	70.2	31.2	19.7	71.6	55.9B	38.7B	28
29	6.70B	6.68B	8.49B	45.6	62.9	86.6	68.4	30.0	19.2	73.0	56.4B	38.5B	29
30	6.76B		9.49B	48.1	61.6	83.7	66.4	30.7	19.0	73.6	56.5B	38.3B	30
31	6.71B		10.3B		60.6		64.7	29.5		73.1		38.2B	31
TOTAL	208.57	196.05	214.57	1 148.3	1 876.9	2 112.4	2 348.3	1 341.6	681.2	1 167.5	1 751.6	1 386.9	TOTAL
MEAN	6.73	6.76	6.92	38.3	60.5	70.4	75.8	43.3	22.7	37.7	58.4	44.8	MEAN
MAX	7.48	7.16	10.3	52.8	65.1	92.3	86.8	62.4	28.3	73.6	72.8	55.9	MAX
MIN	6.20	6.32	5.65	10.9	53.1	58.7	64.7	29.5	19.0	17.3	50.8	38.2	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 39.4
MAXIMUM DAILY, 92.3 ON JUN 27
MINIMUM DAILY, 5.65B ON MAR 13
MAXIMUM INSTANTANEOUS,
93.5 AT 01:15 CST ON JUN 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 52 N
LONG 96 35 44 W
DRAINAGE AREA, 9 090 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	18 000	JUL	203 000
FEB	17 000	AUG	116 000
MAR	18 500	SEP	58 900
APR	99 200	OCT	101 000
MAY	162 000	NOV	151 000
JUN	183 000	DEC	120 000

TOTAL DISCHARGE, 1 250 000 dam³

BOYNE RIVER ABOVE CARMAN DAM - STATION NO. 05OF001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	282.821E	---	282.645E	282.812E	282.475	282.263	282.073	---	1
2	---	---	---	---	282.826	---	282.645	282.815	---	282.263E	282.073E	---	2
3	---	---	---	---	282.828E	---	282.643E	282.828E	---	282.263	282.073	---	3
4	---	---	---	282.341	282.832E	---	282.640	282.837.	---	282.263E	282.073E	---	4
5	---	---	---	---	282.838	---	282.638E	282.838E	---	282.263E	282.073	---	5
6	---	---	---	---	282.836E	---	282.635	282.840	---	282.263	282.073E	---	6
7	---	---	---	---	282.838E	---	282.635E	282.840E	---	282.263E	282.073	---	7
8	---	282.068	---	---	282.836	---	282.628E	282.840	282.275	282.263	282.073E	---	8
9	---	---	---	282.886	282.838E	---	282.635	282.841E	282.270E	282.268E	282.073	---	9
10	---	---	---	282.898E	282.841	---	282.637E	282.843E	282.265	282.263	282.073E	---	10
11	---	---	---	282.706	282.843E	282.975	282.640	282.845	282.260E	282.268E	282.073E	---	11
12	---	---	---	282.738E	282.848	282.950E	282.640E	---	282.265	282.263	282.073	---	12
13	---	---	---	282.772E	282.848E	282.925	282.640E	---	282.268E	282.263E	282.076E	---	13
14	---	---	---	282.806	282.846E	282.917E	282.640	---	282.268E	282.263E	282.083	---	14
15	---	---	---	282.808E	282.848	282.908	282.640E	282.855	282.268	282.263	282.078E	---	15
16	282.226	---	---	282.806	282.841E	282.901E	282.640	282.880E	282.268E	282.268E	282.073	---	16
17	---	---	---	282.812E	282.938	282.893E	282.640E	282.886	282.268	282.273	---	---	17
18	---	---	---	282.818E	282.931E	282.885	282.640	282.898E	282.267E	282.278E	---	---	18
19	---	---	---	282.826	282.926	282.880E	282.640E	282.882E	282.280	282.283	---	---	19
20	---	---	---	282.841E	282.921E	282.875	282.640	282.845	282.281E	282.282E	---	---	20
21	---	---	---	282.858	282.916	282.870E	282.639E	282.838E	282.283E	282.280E	---	---	21
22	---	282.311	---	282.858E	282.911E	282.885	282.637E	282.825	282.285	282.276	---	---	22
23	---	---	---	282.856	282.906	282.882E	282.635	282.784E	282.285E	282.278E	---	---	23
24	---	---	---	282.866E	282.901E	282.889E	282.630E	282.703	282.285	282.273	---	---	24
25	---	---	---	282.876	282.888	282.885	282.625	---	282.285E	282.270E	---	---	25
26	---	---	---	282.856	282.890E	282.885E	282.618E	---	282.285	282.267E	---	---	26
27	---	---	---	282.868E	282.883E	282.885	282.612E	---	282.285E	282.263	---	---	27
28	---	---	---	282.816	282.876	282.882E	282.605	---	282.285E	282.263E	---	---	28
29	---	---	---	282.816E	---	282.848E	282.606E	---	282.285	282.263	---	---	29
30	---		---	282.816	---	282.845	282.606E	---	282.284E	282.200E	---	---	30
31	282.116		---		---		282.610	---		282.137E		---	31
MEAN	---	---	---	---	---	---	282.633	---	---	282.251	---	---	MEAN
MAX	---	---	---	---	---	---	282.845	---	---	282.283	---	---	MAX
MIN	---	---	---	---	---	---	282.605	---	---	282.137	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 30 17 N
LONG 98 01 03 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

BOYNE RIVER NEAR CARMAN - STATION NO 05OF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0B	0B	0 B	0.122B	0.362	0.152	0.103	0.065	0	0	0.022B	0.076B	1
2	0B	0B	0 B	0.126B	0.359	0.299	0.084	0.054	0.022	0	0.021B	0.073B	2
3	0B	0B	0 B	0.123B	0.358	0.401	0.078	0.078	0.006	0	0.020B	0.070B	3
4	0B	0B	0 B	0.103B	0.320	0.388	0.083	0.087	0.003	0	0.018B	0.068B	4
5	0B	0B	0 B	0.039B	0.379	0.499	0.049	0.088	0	0	0.017B	0.068B	5
6	0B	0B	0 B	0.020B	0.614	0.777	0.085	0.215	0	0	0.018B	0.064B	6
7	0B	0B	0 B	0.069	0.805	0.881	0.084	0.124	0	0	0.024B	0.062B	7
8	0B	0B	0 B	0.071	0.789	0.552	0.333	0.153	0	0.001	0.036B	0.060B	8
9	0B	0B	0 B	0.073	0.812	0.673	0.176	0.088	0	0.001	0.016B	0.058B	9
10	0B	0B	0 B	0.061	0.816	1.35	0.143	0.079	0	0.001	0.012B	0.057B	10
11	0B	0B	0 B	0.071	0.743	1.40	0.122	0.065	0	0.001	0.011B	0.056B	11
12	0B	0B	0 B	0.062	0.676	1.14	0.103	0.055	0.140	0.001	0.010B	0.055B	12
13	0B	0B	0 B	0.062	0.631	0.889	0.103	0.062	0.125	0.001	0.010B	0.054B	13
14	0B	0B	0 B	0.021	0.786	0.784	0.102	0.060	0.062	0.002	0.018B	0.053B	14
15	0B	0B	0 B	0.018	0.802	0.887	0.084	0.033	0.032	0.003	0.008B	0.052B	15
16	0B	0B	0 B	0.011	0.752	0.586	0.035	0.015	0.056	0.036	0.007B	0.052B	16
17	0B	0B	0 B	0.060	0.688	0.571	0.019	0.013	0.030	0.015	0.006B	0.051B	17
18	0B	0B	0 B	0.172	0.671	0.484	0.036	0.006	0.030	0.010	0.005B	0.051B	18
19	0B	0B	0 B	0.208	0.711	0.408	0.057	0.008	0.014	0.041	0.008B	0.051B	19
20	0B	0B	0 B	0.113	0.608	0.350	0.031	0.030	0.008	0.087	0.018B	0.051B	20
21	0B	0B	0.020B	0.083	0.502	0.298	0.043	0.055	0.005	0.047	0.038B	0.051B	21
22	0B	0B	0.060B	0.032	0.425	0.388	0.119	0.109	0.004	0.034	0.028B	0.051B	22
23	0B	0B	0.100B	0.036	0.813	0.188	0.128	0.057	0.003	0.032	0.028B	0.051B	23
24	0B	0B	0.187B	0.048	0.888	0.171	0.085	0.029	0.003	0.036	0.078B	0.051B	24
25	0B	0B	0.201B	0.055	0.578	0.195	0.070	0.021	0.002	0.034	0.070B	0.051B	25
26	0B	0B	0.200B	0.043	0.511	0.180	0.068	0.015	0.002	0.036	0.060B	0.051B	26
27	0B	0B	0.201B	0.108	0.488	0.157	0.080	0.014	0.001	0.035	0.059B	0.051B	27
28	0B	0B	0.183B	0.188	0.422	0.117	0.058	0.012	0	0.036	0.052B	0.051B	28
29	0B	0B	0.287B	0.134	0.368	0.122	0.038	0.005	0	0.027B	0.047B	0.052B	29
30	0B		0.145B	0.488	0.370	0.127	0.034	0.002	0	0.026B	0.041B	0.052B	30
31	0B		0.130B		0.198		0.055	0		0.024B		0.052B	31
TOTAL	0	0	1.643	2.756	17.880	14.878	2.857	1.850	0.528	0.549	1.081	1.745	TOTAL
MEAN	0	0	0.053	0.092	0.580	0.499	0.088	0.053	0.018	0.018	0.035	0.056	MEAN
MAX	0	0	0.287	0.488	0.878	1.40	0.333	0.215	0.140	0.087	0.088	0.078	MAX
MIN	0	0	0	0.011	0.188	0.117	0.018	0	0	0	0.005	0.051	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.124
MAXIMUM DAILY, 1.40 0B JUN 11
MINIMUM DAILY, 0B 0N JAN 1
MAXIMUM INSTANTANEOUS,
1.58 AT 21:30 CST ON JUN 10

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 00 N
LONG 97 58 40 W
DRAINAGE AREA, 976 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	0	JUL	230
FEB	0	AUG	143
MAR	143	SEP	45.6
APR	238	OCT	47.4
MAY	1 550	NOV	91.7
JUN	1 290	DEC	151

TOTAL DISCHARGE, 3 930 dam³

BOYNE RIVER NEAR ROSEISLE - STATION NO. 05OF011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.4788	0.177	0.081	0.002	0	0	0	---	---	1
2	---	---	0 B	0.4018	0.157	1.23	0.001	0	0	0	---	---	2
3	---	---	0 B	0.4038	0.328	1.02	0	0	0	0	---	---	3
4	---	---	0 B	0.4028	0.428	0.270	0	0	0	0	---	---	4
5	---	---	0 B	0.485	0.483	0.138	0	0	0	0	---	---	5
6	---	---	0 B	0.218	0.448	0.088	0	0	0	0	---	---	6
7	---	---	0 B	0.202	0.488	0.118	0	0	0	0	---	---	7
8	---	---	0 B	0.181	0.417	0.074	0	0	0	0	---	---	8
9	---	---	0 B	0.187	0.513	0.068	0	0	0	0	---	---	9
10	---	---	0 B	0.147	0.488	0.058	0	0	0	0	---	---	10
11	---	---	0 B	0.188	0.458	0.048	0	0	0	0	---	---	11
12	---	---	0 B	0.413	0.368	0.063	0	0	0	0	---	---	12
13	---	---	0 B	0.367	0.376	0.203	0	0	0	0	---	---	13
14	---	---	0 B	0.276	0.437	0.188	0	0	0	0	---	---	14
15	---	---	0 B	0.187	0.282	0.088	0	0	0	0	---	---	15
16	---	---	0 B	0.155	0.228	0.085	0	0	0	0.005	---	---	16
17	---	---	0 B	0.122	0.183	0.058	0	0	0	0.027	---	---	17
18	---	---	0 B	0.114	0.133	0.050	0	0	0	0.030	---	---	18
19	---	---	0 B	0.103	0.111	0.028	0	0	0	0.033	---	---	19
20	---	---	0 B	0.111	0.323	0.016	0	0	0	0.159	---	---	20
21	---	---	0.0018	0.101	0.330	0.005	0	0	0	0.262	---	---	21
22	---	---	0.0058	0.088	0.238	0.017	0	0	0	0.155	---	---	22
23	---	---	0.0458	0.086	0.182	0.025	0	0	0	0.101	---	---	23
24	---	---	0.7308	0.081	0.148	0.032	0	0	0	0.085	---	---	24
25	---	---	1.10 B	0.082	0.141	0.015	0	0	0	0.078	---	---	25
26	---	---	0.8518	0.085	0.112	0.028	0	0	0	0.072	---	---	26
27	---	---	0.8318	0.113	0.101	0.038	0	0	0	0.071	---	---	27
28	---	---	0.8578	0.305	0.090	0.028	0	0	0	0.073	---	---	28
29	---	---	0.8588	0.237	0.078	0.015	0	0	0	0.080	---	---	29
30	---		0.8238	0.180	0.324	0.008	0	0	0	0.042	---	---	30
31	---		0.8018		0.145		0	0		0.014A		---	31
TOTAL	---	---	5.522	5.526	9.251	4.111	0.003	0	0	1.248	---	---	TOTAL
MEAN	---	---	0.181	0.218	0.300	0.137	0	0	0	0.040	---	---	MEAN
MAX	---	---	1.10	0.485	0.676	1.23	0.002	0	0	0.262	---	---	MAX
MIN	---	---	0	0.085	0.080	0.005	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.109
MAXIMUM DAILY, 1.23 ON JUN 2
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.65 AT 10:02 CST ON JUN 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 32 36 N
LONG 98 24 52 W
DRAINAGE AREA, 865 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0.39
FEB	---	AUG	0
MAR	488	SEP	0
APR	554	OCT	106
MAY	803	NOV	---
JUN	355	DEC	---

TOTAL DISCHARGE, 2 320 dam³

BOYNE RIVER NEAR STEPHENFIELD - STATION NO. 05OF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0058	0.0058	0.0508	0.0508	0.380	0.230	0.075	0.188	0.087	0.008	0.032	0.0538	1
2	0.0048	0.0058	0.0508	0.0508	0.394	0.223	0.103	0.189	0.081	0.018	0.078	0.0538	2
3	0.0048	0.0058	0.0508	0.0508	0.486	0.344	0.113	0.208	0.084	0.027	0.085	0.0538	3
4	0.0048	0.0058	0.0508	0.0588	0.724	0.508	0.113	0.178	0.088	0.023	0.078	0.0538	4
5	0.0048	0.0058	0.0508	0.1628	1.02	0.405	0.137	0.221	0.037	0.018	0.074	0.0538	5
6	0.0048	0.0058	0.0508	0.3118	1.16	0.284	0.148	0.224	0.038	0.005	0.073	0.0558	6
7	0.0048	0.0058	0.0508	0.3628	1.17	0.516	0.174	0.184	0.034	0.004	0.085	0.0508	7
8	0.0048	0.0058	0.0508	0.4598	1.17	1.08	0.167	0.177	0.048	0.030	0.085	0.0558	8
9	0.0048	0.0058	0.0508	0.4418	1.01	1.74	0.182	0.147	0.022	0.038	0.080	0.0508	9
10	0.0048	0.0058	0.0508	0.3988	1.19	1.32	0.174	0.143	0.005	0.052	0.114	0.0578	10
11	0.0048	0.0058	0.0508	0.4518	1.05	0.827	0.167	0.163	0.003	0.068	0.144	0.0578	11
12	0.0038	0.0078	0.0508	0.5308	0.833	0.617	0.177	0.171	0.126	0.091	0.138	0.0578	12
13	0.0038	0.0108	0.0508	0.6258	1.00	0.735	0.167	0.218	0.060	0.060	0.108	0.0578	13
14	0.0028	0.0158	0.0508	1.58 B	0.857	0.827	0.167	0.185	0.055	0.026	0.091	0.0578	14
15	0.0028	0.0208	0.0558	1.33	0.788	0.572	0.187	0.171	0.100	0.058	0.0908	0.0578	15
16	0.0028	0.0308	0.0708	0.832	0.847	0.513	0.218	0.170	0.118	0.038	0.0858	0.0608	16
17	0.0018	0.0308	0.0708	0.811	0.818	0.452	0.244	0.165	0.088	0.011	0.0858	0.0608	17
18	0.0028	0.0308	0.0708	0.432	0.467	0.323	0.288	0.187	0.085	0.005	0.0808	0.0608	18
19	0.0038	0.0308	0.0708	0.343	0.315	0.177	0.241	0.170	0.048	0.055	0.0808	0.0608	19
20	0.0048	0.0308	0.0708	0.334	0.356	0.188	0.218	0.185	0.055	0.047	0.0808	0.0608	20
21	0.0058	0.0308	0.0608	0.312	0.844	0.182	0.218	0.121	0.118	0.022	0.0758	0.0858	21
22	0.0058	0.0258	0.0958	0.280	0.804	0.280	0.358	0.086	0.058	0.018	0.0758	0.0858	22
23	0.0058	0.0308	0.1108	0.267	0.457	0.231	0.254	0.054	0.176	0.012	0.0758	0.0858	23
24	0.0058	0.0358	0.1588	0.220	0.442	0.130	0.248	0.028	0.178	0.007	0.0708	0.0858	24
25	0.0058	0.0408	0.1588	0.329	0.332	0.118	0.210	0.018	0.104	0.010	0.0708	0.0858	25
26	0.0058	0.0458	0.1488	0.088	0.272	0.144	0.228	0.027	0.087	0.004	0.0708	0.0708	26
27	0.0058	0.0558	0.1408	0.1688	0.177	0.108	0.243	0.005	0.034	0.012	0.0808	0.0708	27
28	0.0058	0.0608	0.1428	0.2708	0.122	0.101	0.321	0.004	0.071	0.021	0.0608	0.0708	28
29	0.0058	0.0558	0.1548	0.351	0.087	0.088	0.307	0.024	0.013	0.020	0.0808	0.0708	29
30	0.0058		0.0848	0.378	0.223	0.091	0.208	0.024	0.008	0.022	0.0858	0.0708	30
31	0.0058		0.0438		0.264		0.183	0.018		0.030		0.0708	31
TOTAL	0.122	0.873	3.449	11.870	18.541	13.407	6.018	4.055	1.879	0.674	3.402	1.882	TOTAL
MEAN	0.004	0.030	0.078	0.388	0.630	0.447	0.184	0.131	0.088	0.028	0.080	0.061	MEAN
MAX	0.008	0.080	0.188	1.58	1.19	1.74	0.318	0.224	0.178	0.091	0.144	0.070	MAX
MIN	0.001	0.005	0.043	0.080	0.087	0.091	0.075	0.005	0.003	0.004	0.032	0.053	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.176
MAXIMUM DAILY, 1.74 ON JUN 9
MINIMUM DAILY, 0.0018 ON JAN 17
MAXIMUM INSTANTANEOUS,
2.18 AT 14:35 CST ON APR 14

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 48 N
LONG 98 14 58 W
DRAINAGE AREA, 573 km²

B - ICE CONDITIONS

REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	10.5	JUL	630
FEB	49.5	AUG	350
MAR	212	SEP	171
APR	1 010	OCT	76.5
MAY	1 680	NOV	306
JUN	1 180	DEC	163

TOTAL DISCHARGE, 5 820 dam³

BOYNE RIVER NEAR TREHERNE - STATION NO. 05OF010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.222	0.080	0.003	---	---	---	---	---	---	1
2	---	---	0 B	0.183	0.541	0	---	---	---	---	---	---	2
3	---	---	0 B	0.148	0.394	0	---	---	---	---	---	---	3
4	---	---	0 B	0.185	0.485	0	---	---	---	---	---	---	4
5	---	---	0 B	0.181	0.504	0	---	---	---	---	---	---	5
6	---	---	0 B	0.168	0.409	0	---	---	---	---	---	---	6
7	---	---	0 B	0.187	0.369	0.027	---	---	---	---	---	---	7
8	---	---	0 B	0.171	0.290	0.017	---	---	---	---	---	---	8
9	---	---	0 B	0.188	0.241	0.044	---	---	---	---	---	---	9
10	---	---	0 B	0.190	0.228	0.031	---	---	---	---	---	---	10
11	---	---	0 B	0.181	0.203	0.035	---	---	---	---	---	---	11
12	---	---	0 B	0.186	0.183	0.047	---	---	---	---	---	---	12
13	---	---	0 B	0.211	0.166	0.175	---	---	---	---	---	---	13
14	---	---	0 B	0.207	0.137	0.208	---	---	---	---	---	---	14
15	---	---	0 B	0.188	0.128	0.124	---	---	---	---	---	---	15
16	---	---	0 B	0.125	0.098	0.087	---	---	---	---	---	---	16
17	---	---	0 B	0.107	0.081	0.083	---	---	---	---	---	---	17
18	---	---	0 B	0.094	0.084	0.026	---	---	---	---	---	---	18
19	---	---	0 B	0.081	0.083	0.006	---	---	---	---	---	---	19
20	---	---	0.030B	0.074	0.126	0	---	---	---	---	---	---	20
21	---	---	0.018B	0.088	0.085	0	---	---	---	---	---	---	21
22	---	---	0.014B	0.088	0.074	0	---	---	---	---	---	---	22
23	---	---	0.077B	0.084	0.077	0	---	---	---	---	---	---	23
24	---	---	0.508B	0.087	0.087	0	---	---	---	---	---	---	24
25	---	---	1.59 B	0.087	0.085	0	---	---	---	---	---	---	25
26	---	---	1.16 A	0.087	0.040	0.021	---	---	---	---	---	---	26
27	---	---	0.781	0.088	0.031	0	---	---	---	---	---	---	27
28	---	---	0.518	0.181	0.022	0	---	---	---	---	---	---	28
29	---	---	0.388	0.103	0.013	0	---	---	---	---	---	---	29
30	---		0.281	0.035	0.041	0	---	---	---	---	---	---	30
31	---		0.213		0.028		---	---		---		---	31
TOTAL	---	---	5.581	3.875	5.283	0.826	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.179	0.129	0.170	0.031	---	---	---	---	---	---	MEAN
MAX	---	---	1.59	0.222	0.541	0.208	---	---	---	---	---	---	MAX
MIN	---	---	0	0.035	0.013	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.128
MAXIMUM DAILY, 1.590 ON MAR 25
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 15 N
LONG 98 38 35 W
DRAINAGE AREA, 277 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	480	SEP	---
APR	335	OCT	---
MAY	455	NOV	---
JUN	80.0	DEC	---

TOTAL DISCHARGE, 1 350 dam³

BRERETON LAKE NEAR RENNIE - STATION NO 05PB003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	315.782	315.831	315.685	315.009	315.851	315.789	---	---	1
2	---	---	---	---	315.787	315.834	315.677	315.007	315.847	315.792	---	---	2
3	---	---	---	---	315.795	315.826	315.681	315.003	315.847	315.791	---	---	3
4	---	---	---	---	315.801	315.824	315.646	315.998	315.848	315.789	---	---	4
5	---	---	---	---	315.806	315.834	315.634	315.992	315.846	315.788	---	---	5
6	---	---	---	---	315.813	315.852	315.626	315.987	315.848	315.788	---	---	6
7	---	---	---	---	315.817	315.861	315.626	315.983	315.841	315.787	---	---	7
8	---	---	---	---	315.815	315.887	315.625	315.978	315.840	315.787	---	---	8
9	---	---	---	---	315.824	315.827	315.626	315.975	315.838	315.786	---	---	9
10	---	---	---	---	315.832	315.848	315.619	315.972	315.838	315.786	---	---	10
11	---	---	---	---	315.838	315.874	315.612	315.968	315.834	315.782	---	---	11
12	---	---	---	---	315.842	315.895	315.610	315.964	315.836	315.783	---	---	12
13	---	---	---	---	315.848	315.127	315.635	315.961	315.839	315.795	---	---	13
14	---	---	---	---	315.851	315.148	315.631	315.957	315.835	315.787	---	---	14
15	---	---	---	---	315.858	315.168	315.618	315.954	315.833	315.830	---	---	15
16	---	---	---	---	315.859	315.190	315.620	315.952	315.831	315.849	---	---	16
17	---	---	---	---	315.886	315.222	315.622	315.941	315.826	315.863	---	---	17
18	---	---	---	---	315.883	315.235	315.623	315.937	315.820	315.884	---	---	18
19	---	---	---	---	315.886	315.226	315.618	315.936	315.815	315.881	---	---	19
20	---	---	---	---	315.878	315.211	315.618	315.930	315.813	315.901	---	---	20
21	---	---	---	---	315.880	315.187	315.618	315.921	315.818	315.914	---	---	21
22	---	---	---	---	315.901	315.181	315.614	315.912	315.821	315.924	---	---	22
23	---	---	---	---	315.905	315.186	315.608	315.909	315.806	315.935	---	---	23
24	---	---	---	315.749A	315.909	315.182	315.606	315.905	315.803	315.932	---	---	24
25	---	---	---	315.749	315.913	315.140	315.609	315.901	315.804	315.932	---	---	25
26	---	---	---	315.747	315.917	315.135	315.620	315.897	315.805	315.934	---	---	26
27	---	---	---	315.745	315.921	315.133	315.618	315.893	315.802	315.934	---	---	27
28	---	---	---	315.743	315.925	315.133	315.616	315.887	315.800	315.948	---	---	28
29	---	---	---	315.779	315.929	315.113	315.612	315.879	315.798	315.950	---	---	29
30	---		---	315.776	315.932	315.102	315.613	315.885	315.798	315.950	---	---	30
31	---		---		315.932		315.612	315.894		315.953		---	31
MEAN	---	---	---	---	315.882	315.093	315.635	315.943	315.826	315.857	---	---	MEAN
MAX	---	---	---	---	315.932	315.235	315.685	315.009	315.851	315.953	---	---	MAX
MIN	---	---	---	---	315.782	315.824	315.606	315.894	315.798	315.788	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 315.235 ON JUN 18

MAXIMUM INSTANTANEOUS,
315.249 AT 12:30 CST ON JUN 18

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM 1928 ADJUSTMENT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 41 N
LONG 95 22 41 W

A - MANUAL GAUGE

REGULATED

BROKENHEAD RIVER NEAR BEAUSEJOUR - STATION NO. 05SA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0128	0.0088	0.0748	2.30 B	0.835	0.201	10.3	0.598	0.034	0.013E	1.19 B	0.4728	1
2	0.0138	0.0068	0.0508	2.32 B	0.832	0.178	9.60	0.681	0.025	0.013E	0.8588	0.3828	2
3	0.0138	0.0028	0.0368	2.32 B	0.843	0.168	8.37	0.748	0.022	0.013E	0.6888	0.2278	3
4	0.0098	0.0128	0.0228	2.21 B	0.877	0.158	7.57	0.729	0.024	0.013E	0.5808	0.1868	4
5	0.0098	0.0218	0.0178	2.23 B	0.896	0.145	6.89	0.743	0.018	0.013E	0.5288	0.1588	5
6	0.0088	0.0108	0.0078	2.13 B	0.488	0.138	5.78	0.774	0.018	0.012E	0.5408	0.1838	6
7	0.0088	0.0068	0.0108	2.00 B	0.611	0.121	4.98	0.703	0.014	0.012E	0.5148	0.3228	7
8	0.0118	0.0088	0.0018	1.88 B	0.551	0.288	4.38	0.858	0.015	0.012E	0.4668	0.3818	8
9	0.0088	0.0088	0.0178	1.77	0.520	9.83	3.88	0.815	0.024	0.012E	0.4328	0.1878	9
10	0.0088	0.0108	0.0068	1.57	0.399	8.88	3.38	0.510	0.017	0.012A	0.4378	0.1368	10
11	0.0078	0.0088	0.0118	1.36	0.328	7.82	2.88	0.488	0.015	0.014	0.4618	0.0388	11
12	0.0088	0.0108	0.0188	1.13	0.305	7.85	2.61	0.423	0.028	0.014	0.4308	0.0788	12
13	0.0078	0.0078	0.0118	0.974	0.284	11.8	2.37	0.384	0.034	0.013	0.3708	0.0738	13
14	0.0078	0.0098	0.0048	0.888	0.220	11.8	2.10	0.334	0.020	0.012	0.3238	0.1088	14
15	0.0038	0.0108	0.0068	0.827	0.180	11.3	1.82	0.298	0.021	0.024	0.3488	0.1108	15
16	0.0058	0.0108	0 B	0.788	0.148	12.5	1.70	0.270	0.022	0.023	0.3918	0.0438	16
17	0.0048	0.0128	0 B	0.708	0.132	14.1	1.55	0.238	0.022	0.024A	0.4108	0.0388	17
18	0 B	0.0148	0 B	0.663	0.181	19.4	1.48	0.199	0.019	0.038E	0.4018	0.1438	18
19	0 B	0.0138	0 B	0.481	0.204	22.0	1.34	0.178	0.019	0.045E	0.4488	0.1248	19
20	0.0018	0.0128	0 B	0.338	0.183	22.4	1.22	0.299	0.018	0.175E	0.4318	0.0788	20
21	0.0058	0.0188	0 B	0.288	0.198	21.1	1.12	0.277	0.020	0.383E	0.4058	0.0408	21
22	0.0088	0.0158	0 B	0.310	0.196	20.0	1.04	0.232	0.077	0.842E	0.4438	0.0188	22
23	0.0088	0.0108	0 B	0.306	0.247	19.8	0.957	0.178	0.018	0.842E	0.4188	0.0158	23
24	0.0078	0.0108	0.0088	0.318	0.279	20.8	0.877	0.138	0.018A	1.27 E	0.4158	0.0278	24
25	0.0158	0.0128	0.0408	0.337	0.280	18.8	0.783	0.103	0.015E	1.57 E	0.4878	0.0888	25
26	0.0108	0.0238	0.5858	0.305	0.295	18.9	0.717	0.075	0.014E	1.75 E	0.5618	0.0788	26
27	0.0058	0.0808	2.58 B	0.322	0.315	18.9	0.653	0.040	0.014E	1.91 E	0.6488	0.0788	27
28	0.0078	0.0488	3.08 B	0.404	0.311	18.2	0.578	0.031	0.013E	1.01 B	0.8478	0.0788	28
29	0.0068	0.0538	2.88 B	0.470	0.278	13.8	0.510	0.028	0.013E	1.53 B	0.7118	0.0888	29
30	0.0108		2.41 B	0.536	0.232	11.8	0.481	0.023	0.013E	1.48 B	0.5488	0.0888	30
31	0.0108		2.18 B		0.241A		0.484	0.024		1.38 B		0.0408	31
TOTAL	0.240	0.438	14.088	32.341	10.473	338.955	92.318	10.971	0.832	14.332	15.775	4.059	TOTAL
MEAN	0.008	0.015	0.454	1.08	0.338	11.3	2.09	0.354	0.021	0.462	0.525	0.131	MEAN
MAX	0.015	0.080	3.08	2.32	0.877	22.4	10.3	0.774	0.077	1.91	1.19	0.473	MAX
MIN	0	0.002	0	0.288	0.132	0.121	0.484	0.023	0.013	0.012	0.323	0.015	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 46
MAXIMUM DAILY, 22 4 ON JUN 20
MINIMUM DAILY, 08 ON JAN 18
MAXIMUM INSTANTANEOUS,
22 7 AT 03 20 CST ON JUN 20

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 25 N
LONG 96 25 46 W
DRAINAGE AREA, 1 530 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	20 7	JUL 7 980	
FEB	37 8	AUG 948	
MAR	1 220	SEP 94 6	
APR	2 790	OCT 1 240	
MAY	905	NOV 1 380	
JUN	29 300	DEC 351	

TOTAL DISCHARGE, 46 200 dam³

BROKENHEAD RIVER NEAR VIVIAN - STATION NO. 05SA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.5098	0.087	0	3.85	0.097	0	0	---	---	1
2	---	---	0 B	0.7328	0.082	0	3.53	0.076	0	0	---	---	2
3	---	---	0 B	1.01 B	0.088	0	3.20	0.083	0	0	---	---	3
4	---	---	0 B	1.35 B	0.088	0	2.82	0.081	0	0	---	---	4
5	---	---	0 B	1.46 B	0.088	0	2.46	0.062	0	0	---	---	5
6	---	---	0 B	1.19 B	0.086	0	2.14	0.035	0	0	---	---	6
7	---	---	0 B	0.784	0.081	0.028	1.88	0.024	0	0	---	---	7
8	---	---	0 B	0.703	0.065	0.378	1.72	0.014	0	0	---	---	8
9	---	---	0 B	0.598	0.081	1.88	1.62	0.014	0	0	---	---	9
10	---	---	0 B	0.471	0.080	1.75	1.34	0.008	0	0	---	---	10
11	---	---	0 B	0.388	0.051	1.74	1.17	0.001	0	0	---	---	11
12	---	---	0 B	0.338	0.048	2.08	1.02	0	0	0	---	---	12
13	---	---	0 B	0.341	0.038	2.74	0.900	0	0	0.001	---	---	13
14	---	---	0 B	0.388	0.034	3.32	0.837	0	0	0.003	---	---	14
15	---	---	0 B	0.402	0.033	4.08	0.734	0	0	0.017	---	---	15
16	---	---	0 B	0.272	0.034	4.73	0.678	0	0	0.005	---	---	16
17	---	---	0 B	0.244	0.027	9.18	0.843	0	0	0.012	---	---	17
18	---	---	0 B	0.251	0.023	12.4	0.887	0	0	0.018	---	---	18
19	---	---	0 B	0.241	0.013	12.6	0.818	0	0	0.041	---	---	19
20	---	---	0 B	0.213	0.012	12.0	0.654	0	0	0.048	---	---	20
21	---	---	0 B	0.207	0.042	11.5	0.418	0	0	0.051	---	---	21
22	---	---	0 B	0.188	0.047	11.0	0.375	0	0	0.058	---	---	22
23	---	---	0 B	0.115	0.039	11.6	0.315	0	0	0.083	---	---	23
24	---	---	0 B	0.063	0.030	10.5	0.238	0	0	0.078	---	---	24
25	---	---	0 B	0.070	0.025	8.78	0.188	0	C	0.137	---	---	25
26	---	---	0 B	0.074	0.018	7.88	0.178	0	0	0.188	---	---	26
27	---	---	0.0178	0.083	0.013	7.17	0.148	0	0	0.188	---	---	27
28	---	---	0.0538	0.095	0.008	6.23	0.128	0	0	0.1938	---	---	28
29	---	---	0.0858	0.080	0.003	5.33	0.122	0	0	0.1928	---	---	29
30	---		0.4508	0.088	0.001	4.43	0.122	0	0	0.1788	---	---	30
31	---		0.3858		0		0.118	0		0.1508		---	31
TOTAL	---	---	1.000	12.823	1.335	182.868	34.604	0.428	0	1.897	---	---	TOTAL
MEAN	---	---	0.032	0.431	0.043	6.09	1.11	0.014	0	0.063	---	---	MEAN
MAX	---	---	0.480	1.46	0.088	12.6	3.85	0.097	0	0.193	---	---	MAX
MIN	---	---	0	0.070	0	0	0.118	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.835
MAXIMUM DAILY, 12.8 ON JUN 19
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
13.0 AT 01:33 CST ON JUN 19

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 07 N
LONG 96 21 57 W
DRAINAGE AREA, 847 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL 2 970	
FEB	---	AUG 37.0	
MAR	88 4	SEP 0	
APR	1 120	OCT 138	
MAY	115	NOV ---	
JUN	13 200	DEC ---	

TOTAL DISCHARGE, 17 700 dam³

BUFFALO LAKE CHANNEL NEAR ALTONA - STATION NO. 05DC035

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2548	0.020	0	0.007	0	0	0	---	---	1
2	---	---	0 B	0.2178	0.020	0	0.005	0	0	0	---	---	2
3	---	---	0 B	0.1928	0.028	0	0	0	0	0	---	---	3
4	---	---	0 B	0.1578	0.042	0	0	0	0	0	---	---	4
5	---	---	0 B	0.1318	0.068	0	0	0	0	0	---	---	5
6	---	---	0 B	0.1048	0.088	0	0	0	0	0	---	---	6
7	---	---	0 B	0.0798	0.088	0	0	0	0	0	---	---	7
8	---	---	0 B	0.059	0.083	0	0	0	0	0	---	---	8
9	---	---	0 B	0.045	0.085	0	0	0	0	0	---	---	9
10	---	---	0 B	0.031	0.072	0	0	0	0	0	---	---	10
11	---	---	0 B	0.026	0.068	0	0	0	0	0	---	---	11
12	---	---	0 B	0.029	0.053	0	0	0	0	0	---	---	12
13	---	---	0 B	0.027	0.047	0	0	0	0	0	---	---	13
14	---	---	0 B	0.023	0.042	0	0	0	0	0	---	---	14
15	---	---	0 B	0.019	0.034	0	0	0	0	0	---	---	15
16	---	---	0 B	0.013	0.023	0	0	0	0	0	---	---	16
17	---	---	0 B	0.005	0.008	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0 A	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0.003	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0.040	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0.038	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0.035	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0.027	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0.038	0	0	0	0	---	---	26
27	---	---	0.0158	0	0	0.037	0	0	0	0	---	---	27
28	---	---	0.4448	0.004	0	0.031	0	0	0	0	---	---	28
29	---	---	0.2988	0.018	0	0.030	0	0	0	0	---	---	29
30	---		0.2628	0.017	0	0.008	0	0	0	0	---	---	30
31	---		0.3008		0		0	0		0	---	---	31
TOTAL	---	---	1.340	1.448	0.888	0.278	0.012	0	0	0	---	---	TOTAL
MEAN	---	---	0.043	0.048	0.029	0.009	0	0	0	0	---	---	MEAN
MAX	---	---	0.444	0.254	0.088	0.040	0.007	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 0.4448 ON MAR 28
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 28 N
LONG 97 36 35 W
DRAINAGE AREA, 448 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.04
FEB	---	AUG	0
MAR	118	SEP	0
APR	125	OCT	0
MAY	76.8	NOV	---
JUN	24.0	DEC	---

TOTAL DISCHARGE, 343 dam³

BURNT LAKE DRAIN NO. 1 NEAR DEERHORN - STATION NO. 05LN002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.005E	0.004E	0.008E	---	---	---	---	---	---	1
2	---	---	0 B	0.006	0.018E	0.005E	---	---	---	---	---	---	2
3	---	---	0 B	0.005	0.012E	0.003E	---	---	---	---	---	---	3
4	---	---	0 B	0.018	0.006	0.002A	---	---	---	---	---	---	4
5	---	---	0 B	0.010E	0.005	0.002	---	---	---	---	---	---	5
6	---	---	0 B	0.008E	0.004	0.002	---	---	---	---	---	---	6
7	---	---	0 B	0.004E	0.004	0.004	---	---	---	---	---	---	7
8	---	---	0 B	0.003E	0.004	0.004	---	---	---	---	---	---	8
9	---	---	0 B	0.002E	0.004	---	---	---	---	---	---	---	9
10	---	---	0 B	0.001E	0.005	---	---	---	---	---	---	---	10
11	---	---	0 B	0	0.005	---	---	---	---	---	---	---	11
12	---	---	0 B	0	0.005	---	---	---	---	---	---	---	12
13	---	---	0 B	0	0.006	---	---	---	---	---	---	---	13
14	---	---	0 B	0	0.007	---	---	---	---	---	---	---	14
15	---	---	0 B	0	0.015	---	---	---	---	---	---	---	15
16	---	---	0 B	0	0.037	---	---	---	---	---	---	---	16
17	---	---	0 B	0	0.009	---	---	---	---	---	---	---	17
18	---	---	0 B	0	0.006	---	---	---	---	---	---	---	18
19	---	---	0 B	0	0.007	---	---	---	---	---	---	---	19
20	---	---	0 B	0	0.006	---	---	---	---	---	---	---	20
21	---	---	0 B	0	0.006	---	---	---	---	---	---	---	21
22	---	---	0 B	0	0.007	---	---	---	---	---	---	---	22
23	---	---	0 B	0	0.008	---	---	---	---	---	---	---	23
24	---	---	0 B	0	0.014E	---	---	---	---	---	---	---	24
25	---	---	0 B	0	0.009E	---	---	---	---	---	---	---	25
26	---	---	0 B	0 E	0.008E	---	---	---	---	---	---	---	26
27	---	---	0 B	0 B	0.007E	---	---	---	---	---	---	---	27
28	---	---	0 B	0 B	0.008E	---	---	---	---	---	---	---	28
29	---	---	0 B	0 B	0.008E	---	---	---	---	---	---	---	29
30	---		0 B	0 B	0.014E	---	---	---	---	---	---	---	30
31	---		0.001B		0.008E		---	---		---	---	---	31
TOTAL	---	---	0.001	0.088	0.270	---	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0.002	0.008	---	---	---	---	---	---	---	MEAN
MAX	---	---	0.001	0.018	0.027	---	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0.004	---	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 45 38 N
LONG 98 02 27 W
DRAINAGE AREA, 334 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0.09	SEP	---
APR	5.86	OCT	---
MAY	23.3	NOV	---
JUN	---	DEC	---

BURNT LAKE DRAIN NO. 2 NEAR LUNDAR - STATION NO. 05LW003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1188	0.044	0.018	0.072	0	0	0	---	---	1
2	---	---	0 B	0.1188	0.035	0.011	0.038	0	0	0.001	---	---	2
3	---	---	0 B	0.1088	0.032	0.008	0.028	0	0.001	0	---	---	3
4	---	---	0 B	0.117	0.036	0.005	0.020	0	0.001	0	---	---	4
5	---	---	0 B	0.084	0.057	0.003	0.015	0	0	0	---	---	5
6	---	---	0 B	0.060	0.047	0.006	0.034	0.008	0	0.002	---	---	6
7	---	---	0 B	0.048	0.040	0.033	0.087	0.001	0	0	---	---	7
8	---	---	0 B	0.031	0.021	0.024	0.053	0.001	0.007	0	---	---	8
9	---	---	0 B	0.018	0.013	0.028	0.052	0.001	0.008	0	---	---	9
10	---	---	0 B	0.010	0.029	0.018	0.015	0	0	0	---	---	10
11	---	---	0 B	0.020	0.028	0.008	0.003	0	0	0.003	---	---	11
12	---	---	0 B	0.036	0.033	0.007	0.005	0	0.021	0.001	---	---	12
13	---	---	0 B	0.027	0.040	0.005	0.040	0	0.005	0	---	---	13
14	---	---	0 B	0.012	0.038	0.002	0.007	0	0.001	0	---	---	14
15	---	---	0 B	0.006	0.018	0	0.002	0	0	0.047	---	---	15
16	---	---	0 B	0.002	0.035	0.004	0	0	0	0.090	---	---	16
17	---	---	0 B	0.001	0.033	0.068	0	0	0	0.054	---	---	17
18	---	---	0 B	0	0.018	0.048	0	0	0	0.036	---	---	18
19	---	---	0 B	0	0.011	0.011	0	0	0	0.053	---	---	19
20	---	---	0 0038	0	0.010	0.002	0	0	0	0.128	---	---	20
21	---	---	0 0118	0	0.017	0.004	0	0	0.038	0.100	---	---	21
22	---	---	0 0288	0	0.015	0.018	0	0	0.086	0.078	---	---	22
23	---	---	0 0498	0	0.010	0.084	0	0	0.007	0.382	---	---	23
24	---	---	0 0858	0	0.010	0.058	0	0	0.001	0.047	---	---	24
25	---	---	0 0838	0	0.018	0.088	0	0	0	0.034	---	---	25
26	---	---	0 1058	0	0.021	0.073	0	0	0	0.038	---	---	26
27	---	---	0 0538	0	0.031	0.088	0	0	0.001	0.080	---	---	27
28	---	---	0 0418	0 B	0.033	0.088	0	0	0	0.0528	---	---	28
29	---	---	0 0508	0 B	0.034	0.088	0	0	0	0.0528	---	---	29
30	---		0 0838	0 0128	0.035	0.057	0	0	0	0.0538	---	---	30
31	---		0 1588		0.026		0	0		0.0508		---	31
TOTAL	---	---	0 724	0 844	0 821	0 637	0 452	0 008	0 147	1.027	---	---	TOTAL
MEAN	---	---	0 023	0 028	0 026	0 021	0 015	0	0 005	0 033	---	---	MEAN
MAX	---	---	0 156	0 118	0 057	0 073	0 072	0 008	0 056	0 128	---	---	MAX
MIN	---	---	0	0	0 010	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 020
MAXIMUM DAILY, 0 1588 ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0 3418 AT 09 19 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 17 N
LONG 98 05 24 W
DRAINAGE AREA, 746 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	39 1
FEB	---	AUG	0 68
MAR	62 6	SEP	12 7
APR	72 9	OCT	88 7
MAY	70 8	NOV	---
JUN	72 3	DEC	---

TOTAL DISCHARGE, 420 dam³

BURNTWOOD RIVER ABOVE THREE POINT LAKE - STATION NO. 05YE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13 4 B	9 498	7 588	6 348	84 3	63 7	43 1	43 5	25 2	57 0	57 6	32 18	1
2	13 2 B	9 418	7 538	6 338	87 4	62 6	42 7	41 9	23 2	56 6	56 0	31 88	2
3	13 1 B	9 338	7 488	6 318	101	62 6	41 7	40 8	22 0	56 0	53 58	31 28	3
4	13 0 B	9 258	7 438	6 298	101	61 6	40 7	39 7	21 7	54 5	51 98	30 78	4
5	12 8 B	9 178	7 388	6 288	96 7	59 7	38 6	38 4	21 6	52 8	50 58	30 28	5
6	12 6 B	9 098	7 348	6 288	92 0	57 1	36 4	37 3	21 3	52 5	49 18	29 78	6
7	12 5 B	9 058	7 308	6 258	87 5	55 8	37 4	36 0	22 6	51 8	47 78	29 28	7
8	12 3 B	8 988	7 258	6 388	83 1	55 6	37 2	35 5	37 0	51 0	46 68	28 78	8
9	12 2 B	8 888	7 208	6 488	78 3	58 0	37 5	36 0	84 0	50 4	45 78	28 28	9
10	12 0 B	8 788	7 178	6 508	76 5	61 4	37 8	36 3	81 2	50 2	44 68	27 88	10
11	11 9 B	8 718	7 108	6 838	73 1	64 1	37 5	35 9	69 9	49 7	44 28	27 48	11
12	11 7 B	8 618	7 068	7 078	70 0	63 5	36 9	35 7	94 2	49 2	43 48	27 08	12
13	11 6 B	8 548	7 028	7 628	68 1	60 7	36 7	34 6	93 3	48 8	42 88	26 68	13
14	11 5 B	8 488	6 988	11 3 B	66 5	58 1	36 3	33 3	88 2	48 3	42 18	26 18	14
15	11 4 B	8 438	6 958	30 2 B	65 2	56 7	38 0	32 3	82 0	47 8	41 38	25 68	15
16	11 2 B	8 388	6 918	34 1 B	64 4	56 3	46 1	31 5	75 0	50 7	40 68	25 38	16
17	11 1 B	8 308	6 878	51 9 B	63 0	54 2	52 8	30 3	71 1	59 2	39 88	24 98	17
18	10 9 B	8 248	6 838	76 9 B	60 4	52 2	57 1	28 9	66 6	60 7	39 38	24 58	18
19	10 8 B	8 178	6 798	121	59 3	51 4	56 5	27 5	63 6	98 7	38 88	24 18	19
20	10 7 B	8 118	6 748	140	66 2	51 3	57 7	27 2	62 0	104	36 08	23 78	20
21	10 5 B	8 078	6 718	149	69 6	51 0	56 4	26 5	60 3	103	37 48	23 38	21
22	10 5 B	7 988	6 678	151	76 4	51 4	56 2	26 9	59 1	99 3	36 98	22 98	22
23	10 5 B	7 948	6 608	146	84 4	51 6	56 7	26 4	55 4	95 0	36 38	22 58	23
24	10 4 B	7 858	6 568	140	86 4	50 5	58 5	26 8	54 9	84 4	36 78	22 38	24
25	10 2 B	7 808	6 518	136	82 9	49 7	55 5	27 8	57 1	73 8	36 28	21 98	25
26	10 1 B	7 778	6 488	128	78 3	49 5	53 4	27 0	58 2	72 5	34 68	21 68	26
27	9 988	7 738	6 468	118	74 8	48 3	51 5	26 4	58 5	72 4	34 08	21 28	27
28	9 878	7 678	6 438	110	72 1	46 6	50 3	26 0	58 8	84 0	33 68	20 98	28
29	9 838	7 638	6 408	99 4	69 6	45 1	48 8	25 4	58 5	85 7	33 18	20 68	29
30	9 888		6 378	84 0	66 3	44 0	47 6	25 1	57 8	83 5	32 68	20 28	30
31	9 838		6 358		66 3		46 6	26 4		81 6		19 98	31
TOTAL	351 08	245 80	214 41	1 812.82	2 432 3	1 654.8	1 432 3	1 004 3	1 705.0	2 028.0	1 283.1	791.9	TOTAL
MEAN	11.3	8 48	6 82	60 4	78.5	55 2	46 2	32 4	56 8	65.5	42 1	25 5	MEAN
MAX	13.4	9 49	7 58	151	101	64.1	56 5	43 5	94 2	104	57.6	32 1	MAX
MIN	9 83	7 83	6 36	6.26	66.3	44.0	35 7	25 4	21.3	47 8	32.6	19 9	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 40.6
MAXIMUM DAILY, 151 ON APR 22
MINIMUM DAILY, 6.258 ON APR 7
MAXIMUM INSTANTANEOUS,
161 AT 22:38 CST ON APR 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 27 50 N
LONG 98 05 00 W
DRAINAGE AREA, 6 880 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	30 300	JUL	124 000
FEB	21 200	AUG	88 800
MAR	18 500	SEP	147 000
APR	157 000	OCT	175 000
MAY	210 000	NOV	109 000
JUN	143 000	DEC	68 400

TOTAL DISCHARGE, 1 280 000 dam³

BURNTWOOD RIVER NEAR THOMPSON - STATION NO. 05TC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9488	9488	9378	9378	1 270E	1 080	1 080	1 080	811	781	9388	9918	1
2	9548	9448	9378	9378	1 240E	1 080	1 080	1 080	802	782	9408	9928	2
3	9648	9448	9378	9378	1 220A	1 080	1 080	1 080	798	781	9408	9928	3
4	9648	9438	9378	9378	1 200	1 080	1 080	1 080	792	780	9408	9928	4
5	9648	9428	9378	9378	1 190	1 090	1 070	1 080	782	780	9408	9928	5
6	9648	9428	9378	9378	1 170	1 090	1 070	1 080	785	780	9418	9928	6
7	9638	9428	9378	9378	1 180	1 100	1 070	1 080	792	783	9418	9928	7
8	9628	9418	9378	9378	1 150	1 120	1 080	1 080	784	785	9418	9928	8
9	9618	9418	9378	9378	1 140	1 110	1 080	1 080	781	788	9418	9918	9
10	9608	9408	9378	9378	1 140	1 110	1 080	1 080	788	782	9418	9918	10
11	9588	9408	9378	9378	1 130	1 110	1 080	1 040	782	788	9418	9918	11
12	9588	9388	9378	9378	1 120	1 110	1 080	1 020	784	803	9428	9918	12
13	9578	9388	9378	9378	1 120	1 110A	1 080	1 020	783	808	9448	9918	13
14	9588	9388	9378	9378	1 110	1 110E	1 080	1 000	778	809	9478	9908	14
15	9588	9388	9378	9388	1 080	1 110E	1 080	884	778	815	9488	9908	15
16	9558	9378	9378	9388	1 080	1 110E	1 080	875	783	825	9528	9888	16
17	9548	9378	9378	9418	1 080	1 110E	1 080	852	784	834	9548	9888	17
18	9548	9378	9378	9488	1 080	1 120E	1 080	858	784	839	9578	9888	18
19	9538	9378	9378	9588	1 070	1 120E	1 080	848	788	848	9598	9888	19
20	9528	9378	9378	1 0108	1 070	1 130E	1 080	830	788	860A	9618	9888	20
21	9528	9378	9378	1 0808	1 070	1 130E	1 080	831	782	888E	9868	9878	21
22	9518	9378	9378	1 1808	1 070	1 130E	1 080	815	804	885E	9868	9878	22
23	9508	9378	9378	1 2408	1 070	1 130E	1 080	801	783	872E	9718	9878	23
24	9508	9378	9378	1 280	1 080	1 130E	1 080	888	788	877A	9758	9878	24
25	9488	9378	9378	1 290	1 080	1 130E	1 080	878	788	888E	9778	9868	25
26	9488	9378	9378	1 300	1 080	1 130E	1 080	885	788	892E	9798	9868	26
27	9488	9378	9378	1 300	1 080	1 120A	1 080	858	782	901E	9838	9868	27
28	9478	9378	9378	1 320	1 080	1 120	1 080	848	783	908E	9858	9858	28
29	9478	9378	9378	1 320A	1 080	1 110	1 080	834	781	916E	9878	9858	29
30	9488		9378	1 300E	1 080	1 100	1 080	828	782	924E	9918	9858	30
31	9488		9378		1 090		1 080	820		932E		9858	31
TOTAL	29 618	27 236	29 047	31 482	34 700	33 310	32 840	29 990	23 558	25 889	28 692	30 659	TOTAL
MEAN	955	939	937	1 050	1 120	1 110	1 080	967	785	835	956	989	MEAN
MAX	965	945	937	1 320	1 270	1 130	1 090	1 080	811	932	991	992	MAX
MIN	948	937	937	937	1 070	1 080	1 080	820	778	780	938	985	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 976
MAXIMUM DAILY, 1 320 ON APR 28
MINIMUM DAILY, 778 ON SEP 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 40 N
LONG 97 53 30 W
DRAINAGE AREA, 18 100 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 580 000	JUL	2 840 000
FEB	2 350 000	AUG	2 590 000
MAR	2 510 000	SEP	2 040 000
APR	2 720 000	OCT	2 240 000
MAY	3 000 000	NOV	2 480 000
JUN	2 880 000	DEC	2 650 000

TOTAL DISCHARGE, 30 900 000 dam³

CEDAR LAKE NEAR OLESON POINT - STATION NO. 05KL005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	255.015	254.484	254.407	---	254.540	255.032	255.284	255.480	255.301	255.383	255.280	255.366	1
2	254.992	254.472	254.378	---	254.578	255.056	255.314	255.487	255.288	255.386	255.361	255.377	2
3	254.995	254.478	254.353	---	254.610	255.087	255.338	255.458	255.302	255.396	255.367	255.371	3
4	254.983	254.483	254.343	---	254.635	255.101	255.354	255.448	255.313	255.377	255.338	255.346	4
5	254.984	254.501	254.334	---	254.657	255.103	255.363	255.452	255.288	255.356	255.310	255.332	5
6	254.975	254.500	254.311	---	254.688	255.078	255.358	255.460	255.241	255.389	255.285	255.324	6
7	254.989	254.485	254.284	---	254.718	255.054	255.309	255.422	255.280	255.412	255.286	255.333	7
8	254.970	254.483	254.256	---	254.728	255.102	255.374	255.434	255.298	255.417	255.241	255.342	8
9	254.970	254.442	254.223	---	254.727	255.104	255.421	255.424	255.298	255.430	255.231	255.348	9
10	254.990	254.437	254.180	---	254.741	255.111	255.437	255.349	255.309	255.439	255.236	255.356	10
11	254.983	254.431	254.148	---	254.767	255.142	255.441	255.348	255.308	255.439	255.245	255.349	11
12	254.968A	254.436	254.089	---	254.778	255.132	255.434	255.407	255.295	255.446	255.252	255.343	12
13	254.920	254.443	254.042	---	254.808	255.130	255.416	255.401	255.310	255.458	255.264	255.332	13
14	254.890	254.444	253.985	253.813A	254.821	255.107	255.416	255.377	255.324	255.475	255.284	255.331	14
15	254.888	254.453	253.935	253.830	254.814	255.123	255.452	255.385	255.327	255.491	255.271	255.323	15
16	254.844	254.463	253.889	253.871	254.819	255.147	255.466	255.332	255.313	255.512	255.273	255.308	16
17	254.817	254.466	253.844	253.909	254.810	255.153	255.473	255.348	255.342	255.485	255.278	255.(270	17
18	254.788	254.464	253.798	253.758	254.848	255.178	255.477	255.330	255.349	255.488	255.287	255.236	18
19	254.754	254.470	253.749	253.808	254.856	255.177	255.481	255.327	255.348	255.507	255.294	255.200	19
20	254.726	254.477	253.700	253.869	254.795	255.184	255.468	255.332	255.345	255.513	255.303	255.182	20
21	254.693	254.484	253.660	253.882	254.682	255.177	255.445	255.358	255.238	255.527	255.310	255.168	21
22	254.663	254.490	253.629	254.050	254.934	255.210	255.480	255.348	255.288	255.517	255.317	255.184	22
23	254.638	254.493	---	254.141	254.948	255.224	255.484	255.308	255.348	255.508	255.328	255.167	23
24	254.600	254.493	---	254.228	254.940	255.226	255.480	255.309	255.358E	255.488	255.338	255.154	24
25	254.568	254.486	---	254.314	254.960	255.237	255.478	255.352	255.370A	255.460	255.338	255.118A	25
26	254.534	254.482	---	254.382	254.981	255.258	255.483	255.383	255.375	255.443	255.350	255.093	26
27	254.504	254.481	---	254.380	255.005	255.243	255.485	255.371	255.378	255.454	255.361	255.077A	27
28	254.472	254.481	---	254.403	255.020	255.232	255.480	255.338	255.381	255.457	255.370	255.058A	28
29	254.452	254.334	---	254.440	255.028	255.215	255.466	255.295	255.384	255.433	255.370	254.966A	29
30	254.458		---	254.498	255.040	255.220	255.485	255.292	255.391	255.417	255.385	254.943	30
31	254.480		---		255.037		255.484	255.313		255.421		254.911A	31
MEAN	254.788	254.488	---	---	254.823	255.181	255.427	255.378	255.322	255.448	255.304	255.238	MEAN
MAX	255.018	254.501	---	---	255.040	255.258	255.484	255.480	255.391	255.527	255.361	255.377	MAX
MIN	254.452	254.431	---	---	254.540	255.032	255.284	255.282	255.238	255.356	255.231	254.911	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 255.527 ON OCT 21

MAXIMUM INSTANTANEOUS,
255.600 AT 07:30 CST ON OCT 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 15 33 N
LONG 100 15 00 W

A - MANUAL GAUGE
E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1971 ADJ.)

CHILDS LAKE NEAR BOGGY CREEK - STATION NO. 06HD006

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	1.372E	1.315	1.384	1.484	1.415	1.302	1.300	1.287A	---	1
2	---	---	---	1.373E	1.314	1.389	1.481	1.412	1.288	1.287	---	---	2
3	---	---	---	1.374A	1.313	1.386	1.485	1.410	1.300	1.288	---	---	3
4	---	---	---	1.375	1.312	1.384	1.483	1.408	1.300	1.286	---	---	4
5	---	---	---	1.377	1.309	1.384	1.478	1.417	1.296	1.282	---	---	5
6	---	---	---	1.378	1.311	1.388	1.474	1.423	1.282	1.283	---	---	6
7	---	---	---	1.380	1.309	1.386	1.472	1.418	1.301	1.282	---	---	7
8	---	---	---	1.383	1.307	1.378	1.470	1.414	1.308	1.289	---	---	8
9	---	---	---	1.385	1.308	1.380	1.484	1.408	1.308	1.286	---	---	9
10	---	---	---	1.388	1.313	1.378	1.488	1.403	1.293	1.289	---	---	10
11	---	---	---	1.390	1.321	1.372	1.484	1.388	1.301	1.288	---	---	11
12	---	---	---	1.397	1.323	1.374	1.483	1.384	1.317	1.280	---	---	12
13	---	---	---	1.398	1.330	1.378	1.488	1.383	1.321	1.288	---	---	13
14	---	---	---	1.399	1.329	1.378	1.483	1.389	1.320	1.286	---	---	14
15	---	---	---	1.310	1.328	1.378	1.483	1.389	1.318	1.282	---	---	15
16	---	---	---	1.310	1.329	1.378	1.484	1.388	1.313	1.313	---	---	16
17	---	---	---	1.398	1.330	1.382	1.482	1.382	1.308	1.309	---	---	17
18	---	---	---	1.398	1.333	1.383	1.447	1.378	1.308	1.309	---	---	18
19	---	---	---	1.398	1.341	1.383	1.442	1.388	1.307	1.311	---	---	19
20	---	---	---	1.307	1.345	1.430	1.438	1.387	1.303	1.313	---	---	20
21	---	---	---	1.307	1.351	1.434	1.436	1.370	1.314	1.312	---	---	21
22	---	---	---	1.307	1.352	1.448	1.438	1.385	1.332	1.310	---	---	22
23	---	---	---	1.307	1.388	1.480	1.426	1.380	1.333	1.309	---	---	23
24	---	---	---	1.308	1.388	1.484	1.423	1.389	1.328	1.311	---	---	24
25	---	---	---	1.311	1.391	1.502	1.421	1.384	1.324	1.308	---	---	25
26	---	---	---	1.314	1.388	1.502	1.420	1.367	1.320	1.307	---	---	26
27	---	---	---	1.317	1.388	1.501	1.418	1.342	1.318	1.308	---	---	27
28	---	---	---	1.322	1.387	1.502	1.410	1.334	1.310	1.308	---	---	28
29	---	---	---	1.320	1.388	1.500	1.407	1.318	1.307	1.300	---	---	29
30	---		---	1.318	1.385	1.497	1.417	1.310	1.305	1.298E	---	---	30
31	---		---		1.388		1.418	1.305		1.298E		---	31
MEAN	---	---	---	1.359	1.338	1.412	1.448	1.378	1.310	1.300	---	---	MEAN
MAX	---	---	---	1.322	1.311	1.502	1.484	1.423	1.333	1.313	---	---	MAX
MIN	---	---	---	1.372	1.307	1.384	1.407	1.385	1.292	1.284	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.502 ON JUN 25

MAXIMUM INSTANTANEOUS,
1.504 AT 03:30 CST ON JUN 25

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 34 37 N
LONG 101 01 56 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

CHURCHILL RIVER ABOVE GRANVILLE FALLS - STATION NO 08HA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	749	731	744E	728	838	787	807	745	833	842	848	888	1
2	745	736	743E	735	843	785	802	745	835	834	858	701	2
3	748	736	742E	725	840	778	787	742	837	828	890	703	3
4	742	730	740E	728	830	776	788	738	837	838	887	708	4
5	750	728	740E	727	824	777	784	739	837	829	869	704	5
6	744	733	739E	727	816	778	787	732	842	828	871	710	6
7	742	737	738E	727	810	784	801	731	833	818	871	721	7
8	738	741	737E	731	803	784	808	730	834	825	877	728	8
9	738	742	738E	731	801	785	801	728	843	825	861	737	9
10	735	745	738E	734	805	773	789	733	850	823	882	728	10
11	731	743	739E	738	805	770	788	733	860	817	887	725	11
12	728	744	734E	745	875	788	788	728	863	815	888	717	12
13	729	747	733E	748	870	771	788	721	864	814	889	721	13
14	738	752	733E	763	885	777	788	711	868	808	892	728	14
15	744	758A	732E	770	859	780	798	699	870	804	885	729	15
16	738	758E	732E	784	860	778	787	688	873	806	884	723	16
17	737	758E	732E	801	838	775	788	693	871	803	895	723	17
18	740	754E	732E	810	828	771	784	688	874	809	889	729	18
19	733	754E	731E	830	826	774	782	685	867	810	893	728	19
20	738	753E	731E	848	814	775	781	682	862	810	889	728	20
21	737	752E	730E	858	813	783	785	674	858	812	702	733	21
22	733	751E	729E	868	808	784	781	674	866	818	707	731	22
23	739	750E	728E	868	801	780	788	678	848	820	708	729	23
24	742	750E	726E	885	800	787	780	675	845	820	707	729	24
25	731	748E	728E	887	783	783	777	687	845	829	702	728	25
26	733	747E	728E	918	782	788	777	683	848	834	704	727	26
27	733	748E	728E	921	780	801	778	681	843	835	704	728	27
28	735	748E	728E	918	782	807	770	688	848	835	701	728	28
29	733	748E	728A	928	789	813	785	668	848	839	701	727	29
30	731		728	935	787	811	788	658	838	841	699	727	30
31	738		729		778		780	652		843		728	31
TOTAL	22 872	21 808	22 733	24 188	26 481	23 437	24 488	21 887	19 810	19 293	20 939	22 388	TOTAL
MEAN	738	748	733	807	883	781	790	689	860	832	888	722	MEAN
MAX	780	788	744	935	882	813	807	745	874	843	708	733	MAX
MIN	728	728	728	725	778	784	780	652	833	806	848	888	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 738
MAXIMUM DAILY, 842 ON MAY 2
MINIMUM DAILY, 686 ON OCT 16
MAXIMUM INSTANTANEOUS,
864 AT 18:10 CST ON MAY 2

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 04 00 N
LONG 100 27 30 W
DRAINAGE AREA, 220 000 km²
A - MANUAL GAUGE

E - ESTIMATED
REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 980 000	JUL	2 120 000
FEB	1 870 000	AUG	1 870 000
MAR	1 960 000	SEP	1 880 000
APR	2 090 000	OCT	1 870 000
MAY	2 290 000	NOV	1 780 000
JUN	2 020 000	DEC	1 930 000

TOTAL DISCHARGE, 23 200 000 dam³

CHURCHILL RIVER ABOVE LEAF RAPIDS - STATION NO. 06ED004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	888	882	840	818	880	888	908	873	784	778	780	780	1
2	888	881	841	818	885	882	905	889	782	772	780	780	2
3	886	882	841	818	888	884	902	887	780	770	781	780	3
4	885	881	840	818	893	881	886	881	780	767	783	779	4
5	885	858	837	814	896	884	888	880	784	787	783	780	5
6	884	888	836	812	1 000	937	888	888	782	787	788	780	6
7	884	887	838	812	1 000	920	885	888	776	783	788	781	7
8	884	887	835	815	1 000	921	882	880	788	782	783	780	8
9	882	884	835	814	884	938	902	888	781	781	785	783	9
10	888	888	833	818	888	940	897	885	781	788	788	788	10
11	887	888	830	820	887	930	888	881	782	788	787	787	11
12	883	882	827	820	888	928	883	888	780	784	788	788	12
13	883	883	827	823	1 000	925	888	882	781	788	772	785	13
14	881	883	828	826	885	933	884	888	781	781	778	788	14
15	880	882	824	826	883	930	889	858	781	748	783	788	15
16	878	884	822	828	888	908	892	824	780	739	784	788	16
17	878	883	821	833	885	907	898	832	789	748	782	788	17
18	878	884	821	841	886	907	897	821	781	788	782	788	18
19	874	882	821	848	887	907	890	821	785	783	782	785	19
20	872	851	820	881	881	903	883	828	784	785	785	788	20
21	872	850	818	878	884	908	888	828	728	783	788	783	21
22	888	850	818	887	1 000	907	890	832	772	788	788	783	22
23	888	851	818	900	888	904	887	828	788	782	784	784	23
24	878	847	818	911	888	903	885	833	788	782	783	783	24
25	888	848	818	921	882	908	883	830	782	748	780	783	25
26	888	847	818	921	880	908	884	820	783	782	781	782	26
27	885	845	821	841	887	903	885	817	785	783	781	784	27
28	888	843	822	888	884	908	883	818	780	784	780	784	28
29	884	841	821	888	878	908	881	828	778	788	781	784	29
30	883		818	874	878	908	878	818	778	784	778	784	30
31	882		820	881			878	801		748		784	31
TOTAL	27 388	24 743	28 813	28 738	30 736	27 880	27 838	25 884	23 877	23 888	23 187	24 811	TOTAL
MEAN	880	883	828	888	881	922	891	838	788	787	772	787	MEAN
MAX	888	882	841	874	1 000	988	908	873	788	778	788	784	MAX
MIN	882	841	818	812	881	903	878	801	772	738	780	778	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 847
MAXIMUM DAILY, 1 000 ON MAY 8
MINIMUM DAILY, 738 ON OCT 18
MAXIMUM INSTANTANEOUS,
1 010 AT 18:30 CST ON MAY 20

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 29 37 N
LONG 100 02 58 W
DRAINAGE AREA, 242 000 km²

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 380 000	JUL	2 390 000
FEB	2 140 000	AUG	2 250 000
MAR	2 210 000	SEP	2 040 000
APR	2 220 000	OCT	2 030 000
MAY	2 650 000	NOV	2 000 000
JUN	2 390 000	DEC	2 110 000

TOTAL DISCHARGE 28 800 000 dam³

CHURCHILL RIVER ABOVE RED HEAD RAPIDS - STATION NO 06FD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2248	1868	1888	138 B	---	---	---	---	93.8	88.4	2218	1708	1
2	2228	1858	1888	128 B	---	---	---	---	88.1	88.1	2228	1888	2
3	2188	1858	1888	122 B	---	---	---	---	88.1	88.4	2228	1888	3
4	2178	1848	1878	118 B	---	---	---	---	88.1	87.3	2218	1878	4
5	2188	1838	1878	116 B	---	---	---	183 A	88.4	81.4	2218	1868	5
6	2138	1838	1888	110 B	---	---	---	183	84.1	84.8	2208	1858	6
7	2118	1828	1888	107 B	---	---	---	181	84.1	84.4	2188	1848	7
8	2108	1818	1858	102 B	---	---	---	98.1	84.3	83.4	2178	1848	8
9	2088	1818	1858	98.08	---	---	---	97.4	82.8	103	2148	1838	9
10	2088	1808	1848	94.08	---	---	---	96.1	82.8	108	2148	1828	10
11	2048	1808	1848	89.08	---	---	---	95.5	83.2	113	2108	1828	11
12	2028	1788	1838	---	---	---	---	95.7	82.5	120	2088	1818	12
13	2018	1788	1838	---	---	---	---	83.5	83.5	128	2058	1808	13
14	2008	1788	1828	---	---	---	---	83.9	84.5	131	2028	1808	14
15	1988	1778	1828	---	---	---	---	84.0	84.3	134	1988	1848	15
16	1988	1778	1818	---	---	---	---	81.0	84.2	138	1878	1878	16
17	1878	1788	1818	---	---	---	---	88.2	84.1	143	1858	1878	17
18	1888	1788	1808	---	---	---	---	88.4	84.8	148	1838	1868	18
19	1858	1788	1808	---	---	---	---	88.8	83.8	158	1818	1858	19
20	1848	1788	1888	---	---	---	---	88.2	81.3	188	1888	1858	20
21	1848	1748	1888	---	---	---	---	88.4	81.3	178	1888	1848	21
22	1838	1738	1848	---	---	---	---	88.8	88.8	185	1848	1838	22
23	1828	1738	1838	---	---	---	---	82.1	88.7	192	1828	1838	23
24	1818	1728	1808	---	---	---	---	83.7	88.3	198	1818	1828	24
25	1818	1738	1488	---	---	---	---	80.4	87.8	200 B	1788	1818	25
26	1888	1718	1488	---	---	---	---	84.1	87.4	205 B	1778	1808	26
27	1888	1708	1448	---	---	---	---	84.8	87.8	208 B	1768	1488	28
28	1888	1708	1418	---	---	---	---	88.8	88.3	212 B	1748	1488	27
29	1888	1888	1388	---	---	---	---	88.8	88.8	218 B	1738	1488	28
30	1878		1368	---	---	---	---	84.8	87.1	218 B	1728	1478	29
31	1388		1318	---	---	---	---	83.8	87.8	218 B	1718	1488	30
TOTAL	6 222	5 148	4 874	---	---	---	---	83.3	2 787.8	4 887.8	5 838	4 871	31 TOTAL
MEAN	201	177	187	---	---	---	---	---	81.8	181	187	187	MEAN
MAX	224	188	188	---	---	---	---	---	88.4	328	222	178	MAX
MIN	188	188	131	---	---	---	---	---	87.8	88.4	171	148	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 07 15 N
LONG 94 37 30 W
DRAINAGE AREA, 287 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

REGULATED SINCE 1928

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	538 000	JUL	---
FEB	448 000	AUG	---
MAR	421 000	SEP	238 000
APR	---	OCT	403 000
MAY	---	NOV	511 000
JUN	---	DEC	621 000

CHURCHILL RIVER BELOW FIDLER LAKE - STATION NO. 08PB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1660	1550	1490	130 B	---	---	---	69.5E	61.3	68.3	1760	1330	1
2	1660	1550	1490	113 B	---	---	---	68.5E	60.2	71.0	1760	1330	2
3	1660	1540	1450	96.8B	---	---	---	67.8A	59.6	76.7	1760	1310	3
4	1650	1540	1450	80.8B	---	---	---	67.0	59.9	80.9	1730	1300	4
5	1650	1540	1450	84.0B	---	---	---	65.8	60.4	84.6	1730	1290	5
6	1650	1530	1450	83.2B	---	---	---	66.5	60.0	88.8	1680	1286	6
7	1650	1530	1440	82.4B	---	---	---	63.5	58.4	82.5	1680	1270	7
8	1650	1530	1440	81.6B	---	---	---	63.4	59.2	85.4	1630	1270	8
9	1650	1520	1430	80.8B	---	---	---	63.0	60.7	87.7	1585	1260	9
10	1650	1520	1430	80.0B	---	---	---	62.7	60.5	101	1585	1250	10
11	1650	1520	1420	80.5B	---	---	---	63.2	60.0	103	1540	1250	11
12	1650	1520	1410	81.0B	---	---	---	61.0	59.6	107	1540	1240	12
13	1650	1510	1410	81.5B	---	---	---	60.1	59.3	114	1540	1240	13
14	1630	1510	1400	82.0B	---	---	---	59.8	59.5	119	1540	1230	14
15	1630	1510	1400	83.3B	---	---	---	58.5	59.4	125	1540	1230	15
16	1630	1510	1380	86.0B	247A	---	---	57.9	58.9	130	1530	1230	16
17	1610	1510	1380	74.0B	---	---	---	58.7	58.4	135	1530	1220	17
18	1600	1500	1370	80.0B	---	---	---	58.7	58.6	143	1520	1220	18
19	1600	1500	1360	85.0B	---	---	---	56.7	57.7	150 A	1520	1210	19
20	1590	1500	1360	81.0B	---	---	---	58.3	57.3	162 E	1510	1210	20
21	1590	1500	1310	118 B	---	---	---	58.4	58.2	164 E	1510	1210	21
22	1580	1490	1280	144 B	---	---	---	62.0	54.4	150 E	1500	1210	22
23	1580	1490	1230	170 B	---	---	---	61.0	56.1	166 E	1500	1220	23
24	1570	1480	1170	197 E	---	---	---	60.0	56.3	172 E	1490	1220	24
25	1570	1470	1120	216 A	---	---	---	59.4	55.8	176 E	1480	1220	25
26	1570	1470	1160	---	---	---	---	58.6	55.3	182 E	1480	1220	26
27	1560	1470	1230	---	---	---	---	61.2	55.0	181 E	1450	1220	27
28	1560	1460	1290	---	---	---	---	61.7	57.2	180 E	1430	1220	28
29	1560	1460	1360	---	---	---	---	62.0	59.3	178 E	1300	1230	29
30	1550		1400	---	---	---	---	61.4	62.0	176 E	1350	1230	30
31	1550		1460		---		---	61.7		177 E		1230	31
TOTAL	4 999	4 373	4 226	---	---	---	---	1 912.0	1 787 6	4 038.1	4 868	3 869	TOTAL
MEAN	161	151	137	---	---	---	---	61.7	58.6	130	155	124	MEAN
MAX	166	155	146	---	---	---	---	69.5	62.0	182	176	133	MAX
MIN	155	146	112	---	---	---	---	56.7	54.4	65.3	130	121	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 15 00 N
LONG 96 47 46 W
DRAINAGE AREA, 271 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1934

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	432 000	JUL	---
FEB	378 000	AUG	165 000
MAR	366 000	SEP	152 000
APR	---	OCT	349 000
MAY	---	NOV	402 000
JUN	---	DEC	333 000

CLEARWATER LAKE AT GUY HILL - STATION NO 05KK009

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	280.161	280.148	280.139	280.150	280.215	280.284	280.357	280.292	280.135	280.097	280.100	280.120	1
2	280.162	280.143	280.139	280.150	280.227	280.288	280.353	280.288	280.131	280.096	280.092	280.120	2
3	280.162	280.148	280.137	280.149	280.220	280.292	280.358	280.285	280.132	280.098	280.095	280.120	3
4	280.164	280.149	280.138	280.148	280.224	280.294	280.358	280.282	280.128	280.092	280.083	280.120	4
5	280.163	280.144	280.138	280.151	280.224	280.297	280.356	280.278	280.121	280.089	280.083	280.120	5
6	280.164	280.143	280.135	280.152	280.223	280.296	280.348	280.278	280.116	280.090	280.083	280.121	6
7	280.167	280.143	280.136	280.153	280.225	280.327	280.343	280.275	280.161	280.089	280.082	280.121	7
8	280.168	280.141	280.134	280.153	280.226	280.346	280.343	280.271	280.170	280.087	280.084	280.120	8
9	280.169	280.143	280.133	280.154	280.227	280.340	280.342	280.267	280.163	280.088	280.086	280.121	9
10	280.169	280.140	280.132	280.156	280.228	280.338	280.338	280.266	280.150	280.086	280.091	280.123	10
11	280.169	280.140	280.131	280.160	280.228	280.338	280.340	280.264	280.148	280.088	280.093	280.125	11
12	280.168	280.143	280.132	280.162	280.232	280.341	280.339	280.268	280.150	280.090	280.094	280.127	12
13	280.168	280.138	280.134	280.166	280.227	280.338	280.337	280.265	280.150	280.088	280.095	280.126	13
14	280.163	280.140	280.133	280.168	280.230	280.338	280.342	280.262	280.143	280.082	280.089	280.125	14
15	280.162	280.139	280.131	280.172	280.231	280.338	280.332	280.329	280.138	280.087	280.103	280.124	15
16	280.161	280.161	280.131	280.178	280.233	280.361	280.325	280.231	280.138	280.116	280.104	280.124	16
17	280.163	280.138	280.128	280.176	280.248	280.348	280.323	280.230	280.133	280.120	280.104	280.123	17
18	280.161	280.138	280.127	280.177	280.260	280.351	280.321	280.213	280.133	280.120	280.108	280.122	18
19	280.161	280.138	280.126	280.182	280.267	280.350	280.313	280.208	280.132	280.122	280.109	280.122	19
20	280.138	280.138	280.126	280.182	280.261	280.348	280.308	280.208	280.127	280.120	280.109	280.123	20
21	280.136	280.135	280.135	280.181	280.278	280.364	280.305	280.208	280.127	280.116	280.108	280.128A	21
22	280.161	280.137	280.135	280.181	280.263	280.351	280.306	280.193	280.163	280.112	280.107	---	22
23	280.163	280.137	280.138	280.182	280.268	280.366	280.305	280.184	280.135	280.114	280.108	---	23
24	280.162	280.138	280.136	280.182	280.268	280.355	280.301	280.185	280.127	280.113	280.108	---	24
25	280.161	280.138	280.130	280.203	280.267	280.356	280.301	280.182	280.123	280.103	280.110	---	25
26	280.160	280.137	280.147	280.213	280.268	280.369	280.307	280.180	280.123	280.107	280.114	---	26
27	280.164	280.135	280.151	280.216	280.268	280.367	280.305	280.178	280.118	280.114	280.118	---	27
28	280.164	280.141	280.150	280.218	280.268	280.361	280.298	280.168	280.111	280.103	280.118	---	28
29	280.164	280.143	280.150	280.220	280.290	280.357	280.302	280.168	280.105	280.095	280.118	---	29
30	280.167		280.150	280.220	280.283	280.355	280.302	280.155	280.103	280.083	280.121	---	30
31	280.167		280.151		280.291		280.295	280.145		280.095		---	31
MEAN	280.164	280.140	280.138	280.178	280.252	280.328	280.326	280.225	280.134	280.101	280.103	---	MEAN
MAX	280.169	280.161	280.151	280.220	280.292	280.369	280.358	280.292	280.170	280.122	280.121	---	MAX
MIN	280.136	280.135	280.126	280.149	280.215	280.284	280.295	280.145	280.103	280.083	280.091	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 280.369 ON JUN 26
MINIMUM DAILY, 280.083 ON OCT 9
MAXIMUM INSTANTANEOUS,
280.371 AT 22:30 CST ON JUN 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 56 55 N
LONG 101 05 00 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ)

COCHRANE RIVER NEAR BROCHET - STATION NO. 05DA002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1388	1388	117 B	97.88	243	238	211	187	183	186	1518	1218	1
2	1648	1358	116 B	96.58	240	239	210	186	184	186	1508	1218	2
3	1638	1348	115 B	96.88	234	239	210	185	185	185	1488	1208	3
4	1638	1348	115 B	96.18	231	241	208	184	184	184	1478	1208	4
5	1638	1338	114 B	95.88	229	239	208	183	184	183	1448	1208	5
6	1628	1328	113 B	95.28	226	239	207	183	185	184	1438	1188	6
7	1625	1328	113 B	94.78	224	238	205	182	184	183	1428	1188	7
8	1628	1318	112 B	93.88	220	236	203	180	181	183	1408	1198	8
9	1628	1308	111 B	93.48	223	236	203	188	180	183	1388	1188	9
10	1618	1298	111 B	93.48	222	237	205	187	178	182	1368	1188	10
11	1608	1288	110 B	93.48	220	238	204	187	178	182	1378	1188	11
12	1608	1368	109 B	93.48	218	237	201	185	177	182	1368	1188	12
13	1498	1278	108 B	93.48	220	236	201	184	178	182	1358	1178	13
14	1488	1278	108 B	94.38	218	233	201	184	178	182	1338	1178	14
15	1488	1268	107 B	96.18	219	233	200	183	174	182	1338	1178	15
16	1478	1258	107 B	97.08	220	232	200	182	174	183	1328	1178	16
17	1458	1258	106 B	100 B	225	232	198	182	173	184	1318	1178	17
18	1458	1248	106 B	116 B	228	231	198	181	174A	183	1298	1168	18
19	1448	1238	105 B	136 B	231	229	201	180	173	183	1298	1168	19
20	1448	1238	105 B	153 B	233	226	200	185	173	184	1288	1168	20
21	1438	1228	104 B	171 B	234	226	201	188	172	184	1278	1168	21
22	1428	1228	103 B	186 B	238	226	201	185	172	184	1268	1168	22
23	1428	1218	103 B	217	238	226	202	185	170	184	1268	1168	23
24	1418	1208	102 B	233	238	222	204A	185	169	183	1258	1168	24
25	1418	1198	102 B	246	241	222	202	183	169	182	1258	1168	25
26	1408	1188	101 B	252	240	218	202	182	168	183	1248	1168	26
27	1388	1188	100 B	254	241	218	202	183	167	183	1238	1168	27
28	1388	1188	98.78	253	242	217	201	182	167	1808	1238	1168	28
29	1388	1178	99.38	252	240	218	201	182	166	1568	1228	1158	29
30	1378		98.88	248	241	214	200	184	166	1568	1228	1158	30
31	1388		98.48		240		198	183		1548		1158	31
TOTAL	4 638	3 858	3 320.2	4 347.3	7 180	6 918	6 290	5 778	5 282	5 037	4 008	3 537	TOTAL
MEAN	148	136	107	145	231	231	203	186	176	162	134	117	MEAN
MAX	165	138	117	254	243	241	211	187	185	186	151	121	MAX
MIN	138	117	98.4	93.4	218	214	198	180	166	154	122	115	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 184
MAXIMUM DAILY, 254 ON APR 27
MINIMUM DAILY, 93.48 ON APR 9
MAXIMUM INSTANTANEOUS,
257 ON APR 27

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 00 00 N
LONG 101 23 45 W
DRAINAGE AREA, 25 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	392 000	JUL	543 000
FEB	316 000	AUG	498 000
MAR	287 000	SEP	455 000
APR	376 000	OCT	435 000
MAY	619 000	NOV	348 000
JUN	598 000	DEC	314 000

TOTAL DISCHARGE, 5 180 000 dam³

CONJURING CREEK NEAR RUSSELL - STATION NO 05ME005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1018	0.014	0.001	0	0	0	0	---	---	1
2	---	---	0 B	0.0888	0.007	0.001	0	0	0	0	---	---	2
3	---	---	0 B	0.087	0.008	0.001	0	0	0	0	---	---	3
4	---	---	0 B	0.083	0.007	0.001	0	0	0	0	---	---	4
5	---	---	0 B	0.085	0.008	0.001	0	0	0	0	---	---	5
6	---	---	0 B	0.092	0.007	0.001	0	0	0	0	---	---	6
7	---	---	0 B	0.078	0.016	0.102	0	0	0	0	---	---	7
8	---	---	0 B	0.062	0.027	0.002	0	0	0	0	---	---	8
9	---	---	0 B	0.047	0.038	0.001	0	0	0	0	---	---	9
10	---	---	0 B	0.038	0.024	0.001	0	0	0	0	---	---	10
11	---	---	0 B	0.051	0.015	0.001	0	0	0	0	---	---	11
12	---	---	0 B	0.078	0.015	0	0	0	0	0	---	---	12
13	---	---	0 B	0.083	0.026	0	0	0	0	0	---	---	13
14	---	---	0 B	0.074	0.014	0	0	0	0	0	---	---	14
15	---	---	0 B	0.074	0.011	0	0	0	0	0	---	---	15
16	---	---	0 B	0.059	0.009	0	0	0	0	0	---	---	16
17	---	---	0 B	0.048	0.007	0	0	0	0	0	---	---	17
18	---	---	0 B	0.031	0.005	0	0	0	0	0	---	---	18
19	---	---	0 B	0.028	0.005	0	0	0	0	0	---	---	19
20	---	---	0 B	0.025	0.005	0	0	0	0	0	---	---	20
21	---	---	0 B	0.022	0.004	0	0	0	0	0	---	---	21
22	---	---	0 B	0.019	0.003	0	0	0	0	0	---	---	22
23	---	---	0 B	0.017	0.003	0	0	0	0	0	---	---	23
24	---	---	0.0018	0.013	0.003	0	0	0	0	0	---	---	24
25	---	---	0.0018	0.014	0.003	0	0	0	0	0	---	---	25
26	---	---	0.0018	0.012	0.002	0	0	0	0	0	---	---	26
27	---	---	0.0588	0.012	0.001	0	0	0	0	0	---	---	27
28	---	---	1.17 B	0.0148	0.001	0	0	0	0	0	---	---	28
29	---	---	0.4088	0.0158	0.001	0	0	0	0	0	---	---	29
30	---		0.1178	0.0168	0.001	0	0	0	0	0	---	---	30
31	---		0.1278		0.001		0	0		0		---	31
TOTAL	---	---	1.881	1.431	0.282	0.113	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.061	0.048	0.009	0.004	0	0	0	0	---	---	MEAN
MAX	---	---	1.17	0.101	0.038	0.102	0	0	0	0	---	---	MAX
MIN	---	---	0	0.012	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.015
MAXIMUM DAILY, 1.178 ON MAR 28
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.550 AT 05:30 CST ON MAR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 47 30 N
LONG 101 17 55 W
DRAINAGE AREA, 88.1 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	163	SEP	0
APR	124	OCT	0
MAY	35.2	NOV	---
JUN	9.76	DEC	---

TOTAL DISCHARGE, 332 dam³

COOKS CREEK AT COOKS CREEK - STATION NO 05OJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0028	1.75 B	0.048	0.021	1.37	0	0	0	---	---	1
2	---	---	0.0018	2.58 B	0.074	0.008	0.959	0	0	0	---	---	2
3	---	---	0.0018	2.06 B	0.063	0	0.737	0.009	0	0	---	---	3
4	---	---	0.0018	1.72 B	0.045	0	0.626	0.024	0	0	---	---	4
5	---	---	0.0018	1.73 B	0.102	0	0.622	0.007	0	0	---	---	5
6	---	---	0 B	1.67	0.022	0	0.581	0	0	0	---	---	6
7	---	---	0 B	1.33	0	0.051	0.511	0	0	0	---	---	7
8	---	---	0 B	1.05	0.035	0.180	0.435	0.012	0	0	---	---	8
9	---	---	0 B	0.763	0.060	0.583	0.394	0.018	0	0	---	---	9
10	---	---	0 B	0.715	0.006	1.98	0.322	0.008	0	0	---	---	10
11	---	---	0 B	0.852	0	1.80	0.282	0	0	0	---	---	11
12	---	---	0 B	0.505	0 A	1.38	0.200	0	0	0	---	---	12
13	---	---	0 B	0.351	0 E	1.26	0.137	0	0	0	---	---	13
14	---	---	0 B	0.288	0 E	1.21	0.261	0	0	0	---	---	14
15	---	---	0 B	0.212	0 E	1.71	0.184	0	0	0	---	---	15
16	---	---	0 B	0.148	0 E	1.95	0.580	0	0	0	---	---	16
17	---	---	0.0018	0.138	0.0036	5.39	0.388	0	0	0	---	---	17
18	---	---	0.0038	0.080	0 E	14.8	0.153	0	0	0	---	---	18
19	---	---	0.0058	0.006	0 A	7.91	0.071	0	0	0.024	---	---	19
20	---	---	0.0078	0	0	5.13	0.043	0	0	0.106	---	---	20
21	---	---	0.0108	0	0	4.21	0.028	0	0	0.171	---	---	21
22	---	---	0.0148	0	0	3.84	0.018	0	0	0.239	---	---	22
23	---	---	0.0188	0	0	3.56	0.004	0	0	0.287	---	---	23
24	---	---	0.0258	0.005	0.048	3.92	0	0	0	0.327	---	---	24
25	---	---	0.0658	0.004	0.078	3.71	0.025	0	0	0.269	---	---	25
26	---	---	0.1288	0	0.080	3.14	0.065	0	0	0.2398	---	---	26
27	---	---	0.1088	0.001	0.001	3.87	0.085	0	0	0.1718	---	---	27
28	---	---	0.2718	0.012	0	3.55	0.035	0	0	0.1428	---	---	28
29	---	---	0.5338	0.013	0	2.56	0.017	0	0	0.1618	---	---	29
30	---		1.53 B	0	0	1.84	0.005	0	0	0.1568	---	---	30
31	---		1.41 B		0.001		0.003	0		0.1348		---	31
TOTAL	---	---	4.236	17.862	0.685	79.933	8.243	0.074	0	2.485	---	---	TOTAL
MEAN	---	---	0.137	0.595	0.021	2.66	0.266	0.002	0	0.080	---	---	MEAN
MAX	---	---	1.53	2.58	0.102	14.8	1.37	0.024	0	0.327	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.467
MAXIMUM DAILY, 14.8 ON JUN 18
MINIMUM DAILY, 0.0 ON MAR 6
MAXIMUM INSTANTANEOUS,
17.3 AT 03 14 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 12 N
LONG 96 46 23 W
DRAINAGE AREA, 513 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	799
FEB	---	AUG	8.39
MAR	386	SEP	0
APR	1 540	OCT	213
MAY	57.5	NOV	---
JUN	6 910	DEC	---

TOTAL DISCHARGE, 9 890 dam³

COOKS CREEK NEAR EAST SELKIRK - STATION NO 05OJ002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.87 B	D	0	1.70	0	0	0	---	---	1
2	---	---	0 B	3.49 B	0	0	1.18	0	0	0	---	---	2
3	---	---	0 B	4.72 B	0	0	0.834	0	0	0	---	---	3
4	---	---	0 B	3.86	0	0	0.589	0	0	0	---	---	4
5	---	---	0 B	3.10	0	0	0.474	0	0	0	---	---	5
6	---	---	0 B	2.66	0	0	0.426	0	0	0	---	---	6
7	---	---	0 B	2.13	0	0	0.395	0	0	0	---	---	7
8	---	---	0 B	1.79	0	0	0.366	0	0	0	---	---	8
9	---	---	0 B	1.37	0	0	0.301	0	0	0	---	---	9
10	---	---	0 B	0.875	0	0.298	0.242	0	0	0	---	---	10
11	---	---	0 B	0.732	0	2.65	0.131	0	0	0	---	---	11
12	---	---	0 B	0.720	0	2.28	0.076	0	0	0	---	---	12
13	---	---	0 B	0.568	0	2.12	0.064	0	0	0	---	---	13
14	---	---	0 B	0.426	0	1.80	0.112	0	0	0	---	---	14
15	---	---	0 B	0.264	0	1.36	0.070	0	0	0	---	---	15
16	---	---	0 B	0.168	0	2.11	0.090	0	0	0	---	---	16
17	---	---	0 B	0.118	0	1.95	0.048	0	0	0	---	---	17
18	---	---	0 B	0.068	0	10.5	0.341	0	0	0	---	---	18
19	---	---	0 B	0.004	0	12.1	0.197	0	0	0.005	---	---	19
20	---	---	0 B	0	0	7.30	0.080	0	0	0.004	---	---	20
21	---	---	0 B	0	0	5.28	0.001	0	0	0	---	---	21
22	---	---	0 B	0	0	4.60	0	0	0	0	---	---	22
23	---	---	0 B	0	0	4.72	0	0	0	0	---	---	23
24	---	---	0 B	0	0	4.78	0	0	0	0	---	---	24
25	---	---	0 B	0	0	4.58	0	0	0	0	---	---	25
26	---	---	0.0788	0	0	4.12	0	0	0	0	---	---	26
27	---	---	0.0898	0	0	5.03	0	0	0	0 B	---	---	27
28	---	---	0.0348	0	0	4.84	0	0	0	0 B	---	---	28
29	---	---	0.4048	0	0	3.70	0	0	0	0.0088	---	---	29
30	---		1.88 B	0	0	2.48	0	0	0	0.0458	---	---	30
31	---		2.58 B		0		0	0		0.0438		---	31
TOTAL	---	---	5.063	28.784	0	88.768	7.707	0	0	0.104	---	---	TOTAL
MEAN	---	---	0.163	0.992	0	2.96	0.249	0	0	0.003	---	---	MEAN
MAX	---	---	2.58	4.72	0	12.1	1.70	0	0	0.045	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.535
MAXIMUM DAILY, 12.1 ON JUN 19
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
15.9 AT 18 51 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 08 25 N
LONG 96 48 48 W
DRAINAGE AREA, 897 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	666
FEB	---	AUG	0
MAR	437	SEP	6
APR	2 570	OCT	8.99
MAY	0	NOV	---
JUN	7 670	DEC	---

TOTAL DISCHARGE, 11 400 dam³

COOKS CREEK NEAR GLASS - STATION NO 05DJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 4308	0 075	0 021A	0 813	0 007	0	0 E	---	---	1
2	---	---	0 B	0 4698	0 058	0 018	0 774	0 006	0	0 E	---	---	2
3	---	---	0 B	0 4788	0 086	0 015	0 818	0 005	0	0 E	---	---	3
4	---	---	0 B	0 4978	0 044	0 012	0 834	0 004	0	0 E	---	---	4
5	---	---	0 B	0 3968	0 034	0 011	0 764	0 003	0	0 E	---	---	5
6	---	---	0 B	0 3628	0 028	0 014	0 671	0 003	0	0 E	---	---	6
7	---	---	0 B	0 3228	0 027	0 021	0 582	0 003	0	0 001E	---	---	7
8	---	---	0 B	0 267	0 031	0 051	0 494	0 003	0	0 001E	---	---	8
9	---	---	0 B	0 214	0 018	2 11	0 381	0 003	0	0 001E	---	---	9
10	---	---	0 B	0 144	0 016	1 85	0 289	0 003	0	0 002E	---	---	10
11	---	---	0 B	0 086	0 014	1 11	0 247	0 003	0	0 004E	---	---	11
12	---	---	0 B	0 091	0 014	0 822	0 252	0 002	0	0 006E	---	---	12
13	---	---	0 B	0 074	0 015	0 711	0 353	0 002	0 002	0 007E	---	---	13
14	---	---	0 B	0 047	0 014	2 14	0 394	0 001	0 001	0 006E	---	---	14
15	---	---	0 B	0 027	0 012	2 06	0 326	0 001	0 001	0 014E	---	---	15
16	---	---	0 B	0 019	0 010	1 88	0 244	0 001	0 001	0 011E	---	---	16
17	---	---	0 B	0 014	0 009	8 76	0 188	0	0	0 007A	---	---	17
18	---	---	0 B	0 011	0 007	5 88	0 144	0	0	0 003	---	---	18
19	---	---	0 B	0 007	0 007	3 28	0 110	0	0	0 005	---	---	19
20	---	---	0 B	0 005	0 009	2 44	0 086	0	0	0 007	---	---	20
21	---	---	0 B	0 003	0 012	2 22	0 068	0	0	0 006	---	---	21
22	---	---	0 B	0 002	0 011	1 96	0 054	0	0	0 006	---	---	22
23	---	---	0 B	0 002	0 012	1 95	0 043	0	0	0 003	---	---	23
24	---	---	0 B	0 002	0 070	2 14	0 030	0	0	0 002	---	---	24
25	---	---	0 B	0 002	0 070	1 84	0 022	0	0 A	0 002	---	---	25
26	---	---	0 B	0 002	0 059	1 30	0 018	0	0 E	0 003	---	---	26
27	---	---	0 B	0 005	0 045	1 38	0 014	0	0 E	0 0038	---	---	27
28	---	---	0 B	0 010	0 041	1 38	0 012	0	0 E	0 0038	---	---	28
29	---	---	0 0058	0 010	0 030	1 15	0 010	0	0 E	0 0018	---	---	29
30	---		0 2688	0 031	0 022	0 948	0 009	0	0 E	0 B	---	---	30
31	---		0 4198		0 018E		0 008	0		0 B	---	---	31
TOTAL	---	---	0 880	4 037	0 882	48 915	9 072	0 050	0 005	0 103	---	---	TOTAL
MEAN	---	---	0 022	0 135	0 028	1 63	0 283	0 002	0	0 003	---	---	MEAN
MAX	---	---	0 419	0 487	0 075	8 76	0 834	0 007	0 002	0 014	---	---	MAX
MIN	---	---	0	0 002	0 007	0 011	0 008	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 280
MAXIMUM DAILY, 8 76 ON JUN 17
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
10 2 AT 10 55 CST ON JUN 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 10 N
LONG 95 44 26 W
DRAINAGE AREA, 183 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	784
FEB	---	AUG	4 32
MAR	59 6	SEP	0 43
APR	349	OCT	8 90
MAY	76 2	NOV	---
JUN	4 230	DEC	---

TOTAL DISCHARGE, 5 510 dam³

CORMORANT LAKE AT CORMORANT - STATION NO 05KK002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256 718	256 685	256 641	256 610	256 734	256 941	257 072	257 033	256 830	256 788	256 805	256 808	1
2	256 724	256 681	256 641	256 607	256 744	256 951	257 078	257 024	256 826	256 789	256 785	256 811	2
3	256 728	256 686	256 643	256 606	256 753	256 947	257 088	257 023	256 822	256 787	256 787	256 811	3
4	256 719	256 681	256 637	256 601	256 755	256 945	257 119	257 018	256 815	256 741	256 786	256 802	4
5	256 725	256 675	256 631	256 606	256 759	256 953	257 112	257 005	256 807	256 744	256 793	256 802	5
6	256 722	256 675	256 623	256 602	256 769	256 943	257 114	256 988	256 804	256 744	256 793	256 803	6
7	256 722	256 675	256 626	256 601	256 776	256 941	257 104	256 985	256 806	256 743	256 794	256 808	7
8	256 714	256 677	256 623	256 602	256 779	256 972	257 109	256 983	256 818	256 745	256 795	256 805	8
9	256 716	256 675	256 622	256 598	256 781	256 986	257 114	256 977	256 822	256 748	256 793	256 804	9
10	256 711	256 674	256 620	256 603	256 780	257 001	257 107	256 964	256 824	256 748	256 792	256 803	10
11	256 706	256 673	256 616	256 612	256 788	256 988	257 104	256 965	256 824	256 745	256 784	256 800	11
12	256 702	256 665	256 616	256 612	256 803	256 984	257 102	256 961	256 820	256 743	256 787	256 790	12
13	256 703	256 664	256 616	256 622	256 804	256 989	257 090	256 959	256 822	256 748	256 800	256 796	13
14	256 690	256 664	256 614	256 625	256 803	257 000	257 090	256 965	256 817	256 748	256 803	256 796	14
15	256 695	256 665	256 611	256 625	256 804	257 007	257 088	256 938	256 814	256 743	256 816	256 795	15
16	256 685	256 664	256 604	256 634	256 814	257 012	257 088	256 930	256 812	256 738	256 816	256 792	16
17	256 693	256 659	256 606	256 637	256 824	257 009	257 084	256 934	256 807	256 778	256 811	256 782	17
18	256 693	256 681	256 602	256 642	256 846	257 018	257 088	256 921	256 808	256 782	256 814	256 787	18
19	256 693	256 663	256 606	256 647	256 845	257 019	257 086	256 918	256 800	256 782	256 808	256 793	19
20	256 687	256 657	256 606	256 656	256 843	257 016	257 071	256 935	256 795	256 788	256 807	256 787	20
21	256 687	256 664	256 607	256 660	256 845	257 030	257 072	256 908	256 788	256 788	256 814	256 781	21
22	256 684	256 658	256 600	256 670	256 855	257 040	257 078	256 901	256 788	256 792	256 818	256 786	22
23	256 681	256 660	256 601	256 670	256 862	257 039	257 087	256 894	256 790	256 792	256 824	256 780	23
24	256 687	256 656	256 598	256 675	256 864	257 034	257 084	256 888	256 791	256 785	256 821	256 783	24
25	256 684	256 664	256 598	256 698	256 906	257 057	257 081	256 889	256 791	256 771	256 821	256 778	25
26	256 681	256 664	256 611	256 712	256 914	257 074	257 081	256 883	256 787	256 782	256 823	256 779	26
27	256 680	256 665	256 617	256 718	256 918	257 061	257 083	256 883	256 788	256 788	256 826	256 775A	27
28	256 683	256 645	256 618	256 728	256 926	257 064	257 085	256 888	256 780	256 782	256 818	256 775E	28
29	256 683	256 642	256 618	256 733	256 930	257 071	257 063	256 886	256 770	256 805	256 820	256 775E	29
30	256 684		256 615	256 730	256 943	257 080	257 042	256 877	256 787	256 798	256 819	256 774E	30
31	256 685		256 613		256 943		257 040	256 868		256 778		256 774E	31
MEAN	256 700	256 665	256 618	256 648	256 835	257 007	257 084	256 943	256 803	256 787	256 807	256 792	MEAN
MAX	256 728	256 686	256 643	256 733	256 943	257 080	257 118	257 033	256 830	256 805	256 826	256 811	MAX
MIN	256 680	256 642	256 598	256 598	256 734	256 941	257 040	256 868	256 788	256 738	256 785	256 774	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 256 806
MAXIMUM DAILY, 257 118 ON JUL 4
MINIMUM DAILY, 256 598 ON MAR 24
MAXIMUM INSTANTANEOUS,
257 234 AT 11 20 CST ON JUN 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 13 00 N
LONG 100 38 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

CROSS LAKE AT CROSS LAKE - STATION NO. 05UD001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	207.761	207.572	207.081	206.947	206.478	206.280	206.388	206.688	206.556	206.835	207.138	207.323	1
2	207.762	207.561	207.072	206.948	206.470	206.284	206.381	206.679	206.553	206.867	207.135	207.318	2
3	207.761	207.550	207.068	206.948	206.471	206.285	206.352	206.670	206.548	206.736	207.135	207.316	3
4	207.741	207.545	207.060	206.950	206.474	206.302	206.331	206.661	206.549	206.772	207.128	207.315	4
5	207.733	207.537	207.043	206.953	206.478	206.322	206.313	206.656	206.547	206.778	207.130	207.323	5
6	207.720	207.530	207.033	206.961	206.474	206.348	206.358	206.668	206.585	206.784	207.128	207.337	6
7	207.708	207.521	207.023	206.972	206.476	206.453	206.368	206.668	206.609	206.825	207.128	207.348	7
8	207.696	207.506	207.012	206.986	206.476	206.448	206.370	206.636	206.711	206.828	207.136	207.337	8
9	207.689	207.496	207.004	207.008	206.478	206.351	206.400	206.618	206.680	206.828	207.137	207.320	9
10	207.681	207.486	206.998	207.008	206.480	206.287	206.445	206.578	206.614	206.842	207.148	207.307	10
11	207.674	207.486	206.992	207.003	206.493	206.226	206.486	206.536	206.588	206.880	207.198	207.300	11
12	207.668	207.462	206.983	206.996	206.486	206.302	206.503	206.553	206.594	206.904	207.264	207.286	12
13	207.661	207.437	206.995	206.998	206.463	206.306	206.527	206.588	206.606	206.897	207.311	207.302	13
14	207.660	207.420	206.993	206.997	206.455	206.288	206.513	206.551	206.602	206.913	207.348	207.314	14
15	207.657	207.403	206.991	206.991	206.449	206.288	206.507	206.526	206.600	206.933	207.377	207.327	15
16	207.655	207.382	206.980	206.971	206.442	206.318	206.581	206.521	206.612	206.973	207.385	207.333	16
17	207.654	207.358	206.984	206.914	206.427	206.417	206.581	206.503	206.620	206.942	207.378	207.344	17
18	207.650	207.328	206.981	206.877	206.411	206.418	206.530	206.488	206.628	206.920	207.358	207.362	18
19	207.643	207.287	206.978	206.853	206.443	206.384	206.543	206.486	206.654	206.934	207.362	207.378	19
20	207.640	207.268	206.972	206.828	206.411	206.400	206.582	206.478	206.688	206.928	207.350	207.384	20
21	207.636	207.244	206.970	206.782	206.370	206.380	206.580	206.485	206.667	206.882	207.348	207.394	21
22	207.628	207.222	206.970	206.758	206.351	206.391	206.585	206.509	206.780	206.880	207.344	207.411	22
23	207.617	207.198	206.967	206.738	206.336	206.388	206.599	206.471	206.740	206.882	207.348	207.422	23
24	207.635	207.183	206.968	206.706	206.384	206.388	206.614	206.472	206.800	206.931	207.348	207.441	24
25	207.645	207.165	206.989	206.699	206.407	206.403	206.643	206.483	206.874	206.943	207.340	207.480	25
26	207.643	207.145	206.988	206.686	206.386	206.406	206.648	206.498	206.876	206.951	207.347	207.486	26
27	207.636	207.128	206.987	206.627	206.374	206.435	206.648	206.502	206.582	206.958	207.351	207.478	27
28	207.626	207.115	206.988	206.613	206.353	206.425	206.648	206.528	206.593	206.966	207.345	207.486	28
29	207.614	207.101	206.982	206.534	206.256	206.410	206.658	206.481	206.610	207.000	207.332	207.490	29
30	207.605		206.967	206.491	206.286	206.389	206.677	206.480	206.623	207.075	207.330	207.494	30
31	207.590		206.952		206.305		206.694	206.541		207.158		207.501	31
MEAN	207.667	207.388	206.995	206.858	206.405	206.357	206.527	206.585	206.618	206.890	207.269	207.376	MEAN
MAX	207.761	207.572	207.081	207.008	206.493	206.453	206.694	206.688	206.780	207.158	207.385	207.501	MAX
MIN	207.590	207.101	206.952	206.491	206.253	206.226	206.313	206.471	206.547	206.835	207.128	207.286	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 206.905
MAXIMUM DAILY, 207.761 ON JAN 1
MINIMUM DAILY, 206.226 ON JUN 11
MAXIMUM INSTANTANEOUS,
207.783 AT 13:25 CST ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 37 25 N
LONG 97 47 07 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1986 ADJ)

CRYSTAL CREEK NEAR CRYSTAL CITY - STATION NO. 05UB006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.018	0.008	0	0	0	0	0	---	---	1
2	---	---	0 B	0.013	0.012	0	0	0	0	0	---	---	2
3	---	---	0 B	0.011	0.011	0	0	0	0	0	---	---	3
4	---	---	0 B	0.008	0.248	0	0	0	0	0	---	---	4
5	---	---	0 B	0.005	0.218	0	0	0	0	0	---	---	5
6	---	---	0 B	0.005	0.068	0	0	0	0	0	---	---	6
7	---	---	0 B	0.005	0.018	0	0	0	0	0	---	---	7
8	---	---	0 B	0.005	0.025	0.001	0	0	0	0	---	---	8
9	---	---	0 B	0.005	0.025	0.001	0	0	0	0	---	---	9
10	---	---	0 B	0.005	0.021	0.001	0	0	0	0	---	---	10
11	---	---	0 B	0.011	0.014	0	0	0	0	0	---	---	11
12	---	---	0 B	0.013	0.012	0.001	0	0	0	0	---	---	12
13	---	---	0 B	0.011	0.010	0.001	0	0	0	0	---	---	13
14	---	---	0 B	0.006	0.004	0	0	0	0	0	---	---	14
15	---	---	0 B	0.004	0.004	0	0	0	0	0	---	---	15
16	---	---	0 B	0.004	0.004	0.001	0	0	0	0	---	---	16
17	---	---	0 B	0.003	0.005	0	0	0	0	0	---	---	17
18	---	---	0 B	0.003	0.004	0	0	0	0	0	---	---	18
19	---	---	0 B	0.003	0.004	0	0	0	0	0	---	---	19
20	---	---	0.0085	0.002	0.004	0	0	0	0	0	---	---	20
21	---	---	0.0118	0.002	0.004	0	0	0	0	0	---	---	21
22	---	---	0.0578	0.002	0.004	0	0	0	0	0	---	---	22
23	---	---	0.1648	0.002	0.003	0	0	0	0	0	---	---	23
24	---	---	0.8248	0.002	0.003	0	0	0	0	0	---	---	24
25	---	---	0.7128	0.001	0.002	0	0	0	0	0	---	---	25
26	---	---	0.7388	0.001	0.001	0	0	0	0	0	---	---	26
27	---	---	0.2948	0.002	0.001	0	0	0	0	0	---	---	27
28	---	---	0.0898	0.004	0.001	0	0	0	0	0	---	---	28
29	---	---	0.0828	0.003	0.001	0	0	0	0	0	---	---	29
30	---	---	0.049	0.002	0	0	0	0	0	0	---	---	30
31	---	---	0.031		0		0	0		0		---	31
TOTAL	---	---	2.882	0.157	0.736	0.006	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.092	0.005	0.024	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.739	0.018	0.248	0.001	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.015
MAXIMUM DAILY, 0.7388 ON MAR 26
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
1.080 AT 10:53 CST ON MAR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 26 N
LONG 98 56 26 W
DRAINAGE AREA, 153 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	247	SEP	0
APR	13.8	OCT	0
MAY	63.6	NOV	---
JUN	0.52	DEC	---

TOTAL DISCHARGE, 325 dam³

CYPRESS CREEK NEAR CLEARWATER - STATION NO. 05OB010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	5	B	0.3538	0.030	0.008	0	0	0	0	---	---	1
2	---	---	5	B	0.3038	0.051	0.006	0	0	0	0	---	---	2
3	---	---	5	B	0.2418	0.248	0.007	0	0	0	0	---	---	3
4	---	---	5	B	0.1838	0.210	0.007	0	0	0	0	---	---	4
5	---	---	5	B	0.1568	0.288	0.009	0	0	0	0	---	---	5
6	---	---	5	B	0.144	0.328	0.010	0	0	0	0	---	---	6
7	---	---	5	B	0.113	0.365	0.014	0	0	0	0	---	---	7
8	---	---	5	B	0.111	0.388	0.012	0.003	0	0	0	---	---	8
9	---	---	5	B	0.079	0.188	0.010	0.002	0	0	0	---	---	9
10	---	---	5	B	0.078	0.140	0.009	0.001	0	0	0	---	---	10
11	---	---	5	B	0.079	0.078	0.008	0	0	0	0	---	---	11
12	---	---	5	B	0.102	0.054	0.008	0	0	0	0	---	---	12
13	---	---	5	B	0.078	0.030	0.008	0	0	0	0	---	---	13
14	---	---	5	B	0.083	0.028	0.011	0	0	0	0	---	---	14
15	---	---	5	B	0.048	0.024	0.018	0	0	0	0	---	---	15
16	---	---	5	B	0.043	0.023	0.017	0	0	0	0	---	---	16
17	---	---	5	B	0.030	0.020	0.018	0	0	0	0	---	---	17
18	---	---	5	B	0.032	0.018	0.017	0	0	0	0	---	---	18
19	---	---	5	B	0.029	0.018	0.014	0	0	0	0	---	---	19
20	---	---	5	B	0.025	0.017	0.011	0	0	0	0	---	---	20
21	---	---	0.0089		0.030	0.018	0.010	0	0	0	0	---	---	21
22	---	---	0.2008		0.027	0.019	0.011	0	0	0	0	---	---	22
23	---	---	0.3508		0.023	0.015	0.008	0	0	0	0	---	---	23
24	---	---	0.5008		0.021	0.014	0.008	0	0	0	0	---	---	24
25	---	---	0.7858		0.020	0.014	0.004	0	0	0	0	---	---	25
26	---	---	0.8578		0.019	0.014	0.005	0	0	0	0	---	---	26
27	---	---	0.4858		0.033	0.013	0.005	0	0	0	0	---	---	27
28	---	---	0.2468		0.183	0.011	0.003	0	0	0	0	---	---	28
29	---	---	0.1178		0.087	0.008	0.001	0	0	0	0	---	---	29
30	---		0.0838		0.028	0.007	0	0	0	0	0	---	---	30
31	---		0.4188			0.006		0	0		0		---	31
TOTAL	---	---	5.800		2.732	2.518	0.271	0.006	0	0	0	---	---	TOTAL
MEAN	---	---	0.177		0.091	0.081	0.009	0	0	0	0	---	---	MEAN
MAX	---	---	0.857		0.353	0.365	0.018	0.003	0	0	0	---	---	MAX
MIN	---	---	0		0.018	0.006	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.045
MAXIMUM DAILY, 0.857B ON MAR 26
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.03 AT 08:30 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 21 N
LONG 98 58 54 W
DRAINAGE AREA, 389 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.62
FEB	---	AUG	0
MAR	475	SEP	0
APR	236	OCT	0
MAY	218	NOV	---
JUN	23.4	DEC	---

TOTAL DISCHARGE, 953 dam³

CYPRESS CREEK NEAR SARLES - STATION NO 05OB031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0.187	0.010	0.001	0	0	0	0	0	0	1
2	0	0	0	0.130	0.023	0	0	0	0	0	0	0	2
3	0	0	0	0.102	0.088	0	0	0	0	0	0	0	3
4	0	0	0	0.079	0.122	0	0	0	0	0	0	0	4
5	0	0	0	0.059	0.088	0	0	0	0	0	0	0	5
6	0	0	0	0.048	0.074	0	0	0	0	0	0	0	6
7	0	0	0	0.037	0.061	0	0	0	0	0	0	0	7
8	0	0	0	0.028	0.037	0.001	0	0	0	0	0	0	8
9	0	0	0	0.025	0.027	0.002	0	0	0	0	0	0	9
10	0	0	0	0.024	0.022	0.002	0	0	0	0	0	0	10
11	0	0	0	0.024	0.018	0.002	0	0	0	0	0	0	11
12	0	0	0	0.031	0.015	0.002	0	0	0	0	0	0	12
13	0	0	0	0.034	0.012	0.002	0	0	0	0	0	0	13
14	0	0	0	0.028	0.012	0.002	0	0	0	0	0	0	14
15	0	0	0	0.019	0.012	0.002	0	0	0	0	0	0	15
16	0	0	0	0.018	0.010	0.001	0	0	0	0	0	0	16
17	0	0	0	0.013	0.008	0.001	0	0	0	0	0	0	17
18	0	0	0	0.011	0.006	0	0	0	0	0	0	0	18
19	0	0	0	0.010	0.006	0	0	0	0	0	0	0	19
20	0	0	0	0.008	0.007	0	0	0	0	0	0	0	20
21	0	0	0	0.007	0.007	0	0	0	0	0	0	0	21
22	0	0	0	0.006	0.006	0	0	0	0	0	0	0	22
23	0	0	0.038	0.005	0.006	0	0	0	0	0	0	0	23
24	0	0	0.078	0.004	0.005	0	0	0	0	0	0	0	24
25	0	0	0.268	0.004	0.005	0	0	0	0	0	0	0	25
26	0	0	0.595	0.003	0.004	0	0	0	0	0	0	0	26
27	0	0	0.850	0.007	0.004	0	0	0	0	0	0	0	27
28	0	0	0.795	0.012	0.003	0	0	0	0	0	0	0	28
29	0	0	0.435	0.010	0.003	0	0	0	0	0	0	0	29
30	0		0.311	0.007	0.002	0	0	0	0	0	0	0	30
31	0		0.318		0.001		0	0		0		0	31
TOTAL	0	0	3.469	0.556	0.565	0.018	0	0	0	0	0	0	TOTAL
MEAN	0	0	0.112	0.032	0.022	0.001	0	0	0	0	0	0	MEAN
MAX	0	0	0.795	0.187	0.123	0.002	0	0	0	0	0	0	MAX
MIN	0	0	0	0.003	0.001	0	0	0	0	0	0	0	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.795 ON MAR 26
MINIMUM DAILY, 0 ON JAN 1
MAXIMUM INSTANTANEOUS,
1.08 AT 07:30 CST ON MAR 26

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 35 N
LONG 98 57 05 W
DRAINAGE AREA, 154 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	300	SEP	0
APR	82.6	OCT	0
MAY	59.3	NOV	0
JUN	1.56	DEC	0

TOTAL DISCHARGE, 443 dam³

CYPRESS RIVER NEAR BRUSELLES - STATION NO. 05MH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.582	0.045	0.021	0	0	0	0	---	---	1
2	---	---	0 B	0.434	0.313	0.013	0	0	0	0	---	---	2
3	---	---	0 B	0.366	0.320	0.008	0	0	0	0	---	---	3
4	---	---	0 B	0.395	0.250	0.006	0	0	0	0	---	---	4
5	---	---	0 B	0.403	0.267	0.008	0	0	0	0	---	---	5
6	---	---	0 B	0.386	0.310	0.013	0	0	0	0	---	---	6
7	---	---	0 B	0.391	0.485	0.065	0	0	0	0	---	---	7
8	---	---	0 B	0.311	0.630	0.051	0	0	0	0	---	---	8
9	---	---	0 B	0.384	0.572	0.044	0	0	0	0	---	---	9
10	---	---	0 B	0.286	0.527	0.033	0	0	0	0	---	---	10
11	---	---	0 B	0.300	0.489	0.028	0	0	0	0	---	---	11
12	---	---	0 B	0.360	0.472	0.030	0	0	0	0	---	---	12
13	---	---	0 B	0.275	0.443	0.027	0	0	0	0	---	---	13
14	---	---	0 B	0.241	0.386	0.022	0	0	0	0	---	---	14
15	---	---	0 B	0.201	0.302	0.020	0	0	0	0.007E	---	---	15
16	---	---	0 B	0.173	0.220	0.024	0	0	0	0.011E	---	---	16
17	---	---	0 B	0.132	0.170	0.017	0	0	0	0.008E	---	---	17
18	---	---	0 B	0.089	0.113	0.012	0	0	0	0.008E	---	---	18
19	---	---	0 B	0.081	0.095	0.006	0	0	0	0.013E	---	---	19
20	---	---	0.0048	0.074	0.086	0.003	0	0	0	0.009E	---	---	20
21	---	---	0.0238	0.067	0.083	0.002	0	0	0	0.009E	---	---	21
22	---	---	0.0308	0.058	0.080	0.001	0	0	0	0.003E	---	---	22
23	---	---	0.3438	0.052	0.075	0	0	0	0	0.003E	---	---	23
24	---	---	2.00 B	0.042	0.065	0	0	0	0	0.003E	---	---	24
25	---	---	1.46 B	0.040	0.057	0	0	0	0	0.003E	---	---	25
26	---	---	1.13 A	0.040	0.048	0.001	0	0	0	0.002E	---	---	26
27	---	---	0.940	0.020	0.041	0	0	0	0	0.001B	---	---	27
28	---	---	0.310	0	0.037	0	0	0	0	0.001B	---	---	28
29	---	---	0.644	0.031	0.031	0	0	0	0	0.001B	---	---	29
30	---		0.452	0.040	0.027	0	0	0	0	0 B	---	---	30
31	---		0.555		0.026		0	0		0 B	---	---	31
TOTAL	---	---	7.384	6.136	7.065	0.457	0	0	0	0.072	---	---	TOTAL
MEAN	---	---	0.239	0.205	0.228	0.015	0	0	0	0.002	---	---	MEAN
MAX	---	---	2.00	0.582	0.630	0.065	0	0	0	0.013	---	---	MAX
MIN	---	---	0	0	0.026	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.086
MAXIMUM DAILY, 2.00B ON MAR 24
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 46 N
LONG 96 54 25 W
DRAINAGE AREA, 284 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	639	SEP	0
APR	530	OCT	6.22
MAY	610	NOV	---
JUN	39.5	DEC	---

TOTAL DISCHARGE, 1 820 dam³

CYPRESS RIVER NEAR CYPRESS RIVER - STATION NO. 05MH004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.03 B	0.345	0.082	0.001	0	0	0.001	---	---	1
2	---	---	0 B	1.17 B	0.408	0.086	0	0	0	0	---	---	2
3	---	---	0 B	0.8538	0.498	0.050	0	0	0	0	---	---	3
4	---	---	0 B	0.842	0.887	0.043	0	0	0	0	---	---	4
5	---	---	0 B	0.815	0.832	0.059	0	0	0	0.002	---	---	5
6	---	---	0 B	0.863	0.537	0.088	0	0	0	0.011	---	---	6
7	---	---	0 B	0.603	0.490	0.195	0	0.026	0	0.005	---	---	7
8	---	---	0 B	0.532	0.492	0.147	0	0.002	0	0.004	---	---	8
9	---	---	0 B	0.551	0.898	0.177	0	0	0	0.001	---	---	9
10	---	---	0 B	0.468	0.881	0.158	0	0	0	0.001	---	---	10
11	---	---	0 B	0.501	0.801	0.119	0	0	0	0.012	---	---	11
12	---	---	0 B	0.589	0.548	0.161	0	0	0.016	0.005	---	---	12
13	---	---	0 B	0.536	0.539	0.182	0	0	0.002	0.002	---	---	13
14	---	---	0 B	0.524	0.471	0.133	0.064	0	0	0.002	---	---	14
15	---	---	0 B	0.438	0.403	0.122	0.023	0	0	0.028	---	---	15
16	---	---	0 B	0.402	0.354	0.133	0.002	0	0	0.023	---	---	16
17	---	---	0 B	0.359	0.300	0.082	0	0	0	0.007	---	---	17
18	---	---	0 B	0.326	0.253	0.056	0	0	0	0.004	---	---	18
19	---	---	0 B	0.298	0.245	0.026	0	0	0	0.036	---	---	19
20	---	---	0.0088	0.284	0.232	0.009	0	0	0	0.050	---	---	20
21	---	---	0.0728	0.233	0.231	0.037	0	0	0	0.012	---	---	21
22	---	---	0.1838	0.264	0.195	0.065	0	0	0	0.005	---	---	22
23	---	---	0.7418	0.228	0.169	0.027	0	0	0	0.003	---	---	23
24	---	---	0.8808	0.231	0.172	0.010	0	0	0	0.003	---	---	24
25	---	---	2.24 B	0.245	0.151	0.004	0	0	0.001	0.002	---	---	25
26	---	---	1.51 B	0.240	0.126	0.013	0	0	0.001	0.002	---	---	26
27	---	---	1.28 B	0.289	0.097	0.017	0	0	0.001	0.004B	---	---	27
28	---	---	0.8868	0.285	0.102	0.012	0	0	0	0.003B	---	---	28
29	---	---	0.8578	0.270	0.118	0.004	0	0	0	0.001B	---	---	29
30	---		0.8558	0.304	0.126	0.001	0	0	0	0.001B	---	---	30
31	---		0.8088		0.113		0	0		0 B	---	---	31
TOTAL	---	---	9.818	14.177	11.023	2.308	0.090	0.030	0.021	0.234	---	---	TOTAL
MEAN	---	---	0.307	0.473	0.356	0.077	0.003	0.001	0.001	0.008	---	---	MEAN
MAX	---	---	2.24	1.17	0.898	0.195	0.064	0.026	0.016	0.050	---	---	MAX
MIN	---	---	0	0.228	0.097	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.183
MAXIMUM DAILY, 2.24B ON MAR 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.270 AT 23:30 CST ON APR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 31 N
LONG 96 03 00 W
DRAINAGE AREA, 572 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7.78
FEB	---	AUG	2.59
MAR	833	SEP	1.61
APR	1 220	OCT	20.2
MAY	952	NOV	---
JUN	199	DEC	---

TOTAL DISCHARGE, 3 230 dam³

DAUPHIN LAKE AT OCHRE BEACH - STATION NO. 05LJ018

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	280.382	280.390	280.368E	280.312	280.210E	280.153	---	---	1
2	---	---	---	---	280.382	280.385	280.400	280.312	280.187	280.193	---	---	2
3	---	---	---	---	280.382	280.387E	280.405	280.242	280.217	280.182	---	---	3
4	---	---	---	---	280.382	280.410	280.420	280.275	280.182	280.193	---	---	4
5	---	---	---	---	280.382	280.440	280.408E	280.287	280.187	280.193	---	---	5
6	---	---	---	---	280.432E	280.410	280.390	280.322	280.082	280.180E	---	---	6
7	---	---	---	---	280.472	280.358	280.390	280.292	280.207	280.168	---	---	7
8	---	---	---	---	280.402	280.430	280.400	280.272	280.227	280.178	---	---	8
9	---	---	---	---	280.417	280.450	280.350	280.332	280.212	280.083	---	---	9
10	---	---	---	---	280.387	280.415	280.370	280.282	280.177	280.113	---	---	10
11	---	---	---	---	280.482	280.405	280.368	280.282	280.212	280.183	---	---	11
12	---	---	---	---	280.437	280.420	280.380	280.268E	---	280.123	---	---	12
13	---	---	---	---	280.432	280.430	280.388	280.277	---	280.138E	---	---	13
14	---	---	---	---	280.442	280.450	280.340	280.512	---	280.183	---	---	14
15	---	---	---	---	280.382	280.430	280.368E	280.282	---	280.273	---	---	15
16	---	---	---	---	280.387	280.393	280.380	280.312	280.182	280.208E	---	---	16
17	---	---	---	---	280.472	280.430	280.370	280.282	280.187	280.143	---	---	17
18	---	---	---	280.347	280.387	280.385	280.320	280.282	280.182	280.183	---	---	18
19	---	---	---	280.344	280.442	280.370	280.360	280.247E	280.213	280.333	---	---	19
20	---	---	---	280.340	280.372	280.370	280.350	280.232	280.183	270.283	---	---	20
21	---	---	---	280.342	280.382E	280.380	280.380	280.342	280.253	280.283	---	---	21
22	---	---	---	280.340E	280.412	280.380	280.350	280.232	280.283	280.213	---	---	22
23	---	---	---	280.337	280.417	280.470	280.380	280.182	280.238E	280.183	---	---	23
24	---	---	---	280.337	280.547	280.430	280.322	280.212	280.183	280.408	---	---	24
25	---	---	---	280.482	280.487	280.438	280.382	280.207	280.183	280.320E	---	---	25
26	---	---	---	280.482	280.432	280.520	280.312	280.247	280.183	280.231	---	---	26
27	---	---	---	280.458E	280.432	280.420	280.332	280.227	280.213	---	---	---	27
28	---	---	---	280.430E	280.442	280.410	280.312	280.282	280.223	---	---	---	28
29	---	---	---	280.404	280.390	280.385	280.310E	270.182	280.173	---	---	---	29
30	---		---	280.418	280.418	280.330	280.307	280.282	280.183	---	---	---	30
31	---		---		280.435		280.312	280.232		---		---	31
MEAN	---	---	---	---	280.420	280.408	280.358	280.288	---	---	---	---	MEAN
MAX	---	---	---	---	280.547	280.520	280.420	280.512	---	---	---	---	MAX
MIN	---	---	---	---	280.387	280.330	280.307	280.182	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 08 45 N
LONG 99 44 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DAUPHIN LAKE AT OUTLET - STATION NO. 05LJ008

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	280.272	280.220	280.208	280.253	280.353	280.396	280.401	280.281	280.178	280.180	280.198	280.208	1
2	280.274	280.225	280.210	280.258	280.382	280.397	280.383	280.301	280.172	280.078	280.198	280.208	2
3	280.263	280.217	280.211	280.280	280.385	280.345	280.322	280.304	280.150	280.184	280.196	280.207	3
4	280.262	280.213	280.205	280.280	280.383	280.382	280.310	280.302	280.157	280.186	280.195	280.206	4
5	280.280	280.226	280.208	280.265	280.388	280.394	280.288	280.279	280.228	280.208	280.197	280.208	5
6	280.280	280.217	280.208	280.270	280.308	280.378	280.385	280.278	280.300	280.138	280.180	280.210	6
7	280.284	280.215	280.207	280.271	280.295	280.386	280.483	280.271	280.177	280.142	280.181	280.206	7
8	280.288	280.215	280.213	280.277	280.358	280.321	280.350	280.244	280.044	280.164	280.183	280.204	8
9	280.281	280.210	280.214	280.278	280.435	280.352	280.330	280.218	280.123	280.175	280.181	280.202	9
10	280.262	280.208	280.208	280.287	280.380	280.372	280.383	280.380	280.101	280.204	280.183	280.202	10
11	280.250	280.204	280.211	280.281	280.304	280.378	280.338	280.338	280.178	280.178	280.182	280.198	11
12	280.250	280.205	280.208	280.305	280.417	280.328	280.357	280.285	280.188	280.253	280.178	280.202	12
13	280.245	280.205	280.204	280.308	280.398	280.380	280.403	280.282	280.114	280.186	280.178	280.196	13
14	280.249	280.205	280.204	280.313	280.421	280.378	280.188	280.188	280.157	280.182	280.178	280.187	14
15	280.252	280.207	280.207	280.323	280.505	280.387	280.304	280.232	280.173	258.888	280.185	280.191	15
16	280.241	280.207	280.213	280.324	280.480	280.354	280.287	280.284	280.207	280.402	280.184	280.193	16
17	280.242	280.212	280.214	280.328	280.374	280.368	280.342	280.231	280.180	280.212	280.180	280.202	17
18	280.240	280.215	280.215	280.323	280.303	280.330	280.318	280.288	280.185	280.213	280.186	280.204	18
19	280.238	280.216	280.215	280.324	280.377	280.383	280.329	280.288	280.088	280.070	280.187	280.196	19
20	280.240	280.216	280.216	280.328	280.458	280.416	280.423	280.214	280.187	280.084	280.188	280.191	20
21	280.234	280.215	280.215	280.331	280.341	280.380	280.330	280.117	280.243	280.138	280.183	280.190	21
22	280.230	280.210	280.216	280.332	280.341	280.338	280.257	280.244	258.880	280.178	280.185	280.194	22
23	280.234	280.210	280.218	280.328	280.370	280.283	280.278	280.282	258.888	280.178	280.185	280.192	23
24	280.232	280.213	280.218	280.318	280.337	280.417	280.322	280.272	280.141	280.148	280.184	280.194	24
25	280.229	280.217	280.218	280.314	280.377	280.404	280.283	280.218	280.141	280.373	280.176	280.188	25
26	280.224	280.213	280.223	280.141	280.378	280.338	280.308	280.218	280.130	280.188	280.182	280.184	26
27	280.226	280.208	280.235	258.783	280.408	280.411	280.322	280.210	280.087	258.848	280.204	280.188	27
28	280.227	280.212	280.234	280.016	280.418	280.438	280.328	280.148	280.143	280.170	280.208	280.191	28
29	280.226	280.211	280.242	280.323	280.434	280.480	280.333	280.080	280.181	280.183	280.208	280.194	29
30	280.230		280.245	280.311	280.408	280.438	280.288	280.024	280.188	280.203	280.207	280.195	30
31	280.224		280.251		280.374		280.263	280.128		280.203		280.191	31
MEAN	280.244	280.213	280.217	280.283	280.381	280.371	280.328	280.238	280.147	280.188	280.190	280.198	MEAN
MAX	280.274	280.226	280.251	280.332	280.505	280.480	280.483	280.380	280.300	280.402	280.208	280.210	MAX
MIN	280.224	280.204	280.204	258.783	280.295	280.283	280.188	280.024	258.888	280.178	280.184	280.184	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 280.248
MAXIMUM DAILY, 280.505 ON MAY 15
MINIMUM DAILY, 258.783 ON APR 27
MAXIMUM INSTANTANEOUS,
280.778 AT 13:37 CST ON OCT 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 25 22 N
LONG 99 57 00 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DAUPHIN RIVER NEAR ANAMA BAY - STATION NO. 05LM005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.38	18.88	27.28	33.98	75.3E	57.2	65.8	111	88.9	57.9	52.18	33.25	1
2	17.78	19.48	27.48	34.78	74.5A	58.8	68.5	114	88.7	55.5	51.58	34.38	2
3	18.08	19.98	27.58	36.18	75.7	57.9	66.1	117	85.2	51.5	53.28	34.58	3
4	18.68	20.38	27.78	38.78	74.0	57.1	65.2	118	81.9	51.8	50.18	34.48	4
5	18.68	20.48	27.48	44.58	72.4	52.1	67.1	120	82.2	50.8	49.58	34.18	5
6	18.98	20.78	27.08	54.68	65.5	47.5	67.3	118	85.0	48.1	46.88	33.88	6
7	20.58	20.88	26.98	79.38	60.9	46.6	77.6	118	83.9	47.4	46.28	33.68	7
8	20.38	20.68	26.78	84.68	64.3	46.2	82.7	118	81.2	47.8	47.18	33.58	8
9	20.18	20.88	26.78	87.28	68.6	42.4	82.4	113	74.2	50.3	46.58	33.48	9
10	19.98	21.28	26.68	82.8	70.5	43.3	83.6	118	75.8	52.0	45.78	33.28	10
11	19.08	21.78	26.28	92.1	65.0	48.6	84.4	122	76.5	53.3	44.98	33.08	11
12	19.88	22.08	26.38	81.0	65.5	50.0	86.8	123	77.8	54.2	44.18	32.78	12
13	19.78	22.18	26.38	87.5	66.8	43.7	87.9	118	72.6E	55.4	43.68	32.88	13
14	19.28	22.68	26.28	82.4	67.3	47.8	81.4	115	89.1E	53.8	41.78	32.98	14
15	19.28	22.98	26.68	83.6	69.5	50.6	80.4	107	82.6E	50.4	34.58	32.48	15
16	19.08	23.48	26.48	88.2	71.0	51.1	85.0	113	58.8E	51.2	27.08	32.38	16
17	18.88	23.68	26.78	88.1	69.0	51.7	87.9	110	59.7E	55.3	30.18	32.18	17
18	18.18	23.88	27.08	85.0	69.1	47.9	102	110	60.8E	60.5	33.08	32.18	18
19	17.88	24.28	27.18	83.4	62.2	51.2	103	114	57.6E	53.6	35.08	32.08	19
20	17.48	24.88	27.68	80.9	59.3	52.0	106	114	58.2E	44.5	37.48	31.88	20
21	17.28	24.88	26.48	79.5	61.2	53.3	107	106	59.4E	45.9	35.68	31.78	21
22	17.08	25.28	26.68	80.0	59.9	52.3	103	102	59.1E	49.1	34.08	31.88	22
23	16.88	25.28	26.98	78.9A	56.6	48.8	106	109	57.1E	53.7	33.78	31.68	23
24	16.68	25.78	28.08	80.9E	53.5	48.9	108	112	56.7E	55.1	33.68	31.58	24
25	16.68	26.28	28.08	80.2E	49.4	55.9	109	108	58.1A	53.6	35.08	31.48	25
26	16.68	26.48	26.98	78.1E	54.6	53.9	108	107	58.0	58.5	39.48	31.48	26
27	16.88	26.78	29.18	78.6E	55.4	54.8	111	108	55.6	51.1	35.68	31.38	27
28	17.18	26.98	29.68	77.7E	59.0	57.6	114	104	55.5	34.08	31.68	31.28	28
29	17.38	27.18	31.08	77.0E	61.9	60.3	117	105	57.1	34.08	31.58	31.28	29
30	17.88		31.48	75.9E	62.6	66.5	115	99.6	56.3	54.98	31.88	31.18	30
31	18.28		32.58		59.0		110	100		58.58		31.18	31
TOTAL	569.7	667.9	883.6	2 243.7	2 001.3	1 580.0	2 878.1	3 465.6	2 118.8	1 605.1	1 208.0	1 006.6	TOTAL
MEAN	18.4	23.0	27.9	74.8	64.6	52.0	92.8	112	70.6	51.8	40.2	32.5	MEAN
MAX	20.5	27.1	32.5	84.6	75.7	66.5	117	123	98.8	61.2	53.2	34.5	MAX
MIN	16.6	18.6	26.2	33.9	49.4	42.4	65.8	99.6	55.5	34.0	27.0	31.1	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 55.2
MAXIMUM DAILY, 123 ON AUG 12
MINIMUM DAILY, 16.68 ON JAN 26
MAXIMUM INSTANTANEOUS,
125 AT 05:15 CST ON AUG 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 00 00 N
LONG 98 19 20 W
DRAINAGE AREA, 81 600 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1976

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	49 200	JUL	248 000
FEB	57 700	AUG	299 000
MAR	76 300	SEP	183 000
APR	194 000	OCT	139 000
MAY	173 000	NOV	104 000
JUN	136 000	DEC	87 000

TOTAL DISCHARGE, 1 740 000 dam³

DEAD LAKE DRAIN NEAR GLADSTONE - STATION NO. 05LL023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0.0018	0	0	0	0	0	---	---	1
2	---	---	0 B	0.0018	0.0108	0	0	0	0	0	---	---	2
3	---	---	0 B	0 B	0.0408	0	0	0	0	0	---	---	3
4	---	---	0 B	0 B	0.1058	0	0	0	0	0	---	---	4
5	---	---	0 B	0 B	0.164	0	0	0	0	0	---	---	5
6	---	---	0 B	0 B	0.202	0	0	0	0	0	---	---	6
7	---	---	0 B	0 B	0.220	0	0	0	0	0	---	---	7
8	---	---	0 B	0 B	0.234	0	0	0	0	0	---	---	8
9	---	---	0 B	0 B	0.230	0	0	0	0	0	---	---	9
10	---	---	0 B	0 B	0.242	0	0	0	0	0	---	---	10
11	---	---	0 B	0.0018	0.231	0	0	0	0	0	---	---	11
12	---	---	0 B	0.0048	0.231	0	0	0	0	0	---	---	12
13	---	---	0 B	0.0058	0.256	0	0	0	0	0	---	---	13
14	---	---	0 B	0.004	0.231	0	0	0	0	0	---	---	14
15	---	---	0 B	0.004	0.203	0	0	0	0	0	---	---	15
16	---	---	0 B	0.003	0.187	0	0	0	0	0	---	---	16
17	---	---	0 B	0.003	0.187	0	0	0	0	0	---	---	17
18	---	---	0 B	0.002	0.138	0	0	0	0	0	---	---	18
19	---	---	0 B	0.001	0.139	0	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0.143	0	0	0	0	0	---	---	20
21	---	---	0.0018	0	0.148	0	0	0	0	0	---	---	21
22	---	---	0.0018	0	0.134	0	0	0	0	0	---	---	22
23	---	---	0.0028	0	0.113	0	0	0	0	0	---	---	23
24	---	---	0.0058	0	0.116	0	0	0	0	0	---	---	24
25	---	---	0.0058	0	0.107	0	0	0	0	0	---	---	25
26	---	---	0.0018	0	0.058	0	0	0	0	0	---	---	26
27	---	---	0.0018	0 B	0	0	0	0	0	0	---	---	27
28	---	---	0.0018	0 B	0	0	0	0	0	OB	---	---	28
29	---	---	0.0018	0 B	0	0	0	0	0	OB	---	---	29
30	---		0.0018	0 B	0	0	0	0	0	OB	---	---	30
31	---		0.0018		0		0	0		OB		---	31
TOTAL	---	---	0.020	0.030	4.041	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0.001	0.130	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.005	0.005	0.256	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.017
MAXIMUM DAILY, 0.256 ON MAY 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.263 AT 02:31 CST ON MAY 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 55 N
LONG 98 55 58 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	1.73	SEP	0
APR	2.58	OCT	0
MAY	348	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 353 dam³

DEADHORSE CREEK AT MORDEN - STATION NO 05DC015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.004	0.004	0.001	0	0	0	0	---	---	1
2	---	---	0 B	0.008	0.003	0.001	0.001	0	0	0	---	---	2
3	---	---	0 B	0.004	0.003	0	0	0	0	0	---	---	3
4	---	---	0 B	0.004	0.003	0	0	0	0	0	---	---	4
5	---	---	0 B	0.011	0.003	0	0	0	0	0	---	---	5
6	---	---	0 B	0.012	0.002	0.002	0	0	0	0	---	---	6
7	---	---	0 B	0.008	0.002	0.004	0	0	0	0	---	---	7
8	---	---	0 B	0.007	0.002	0.011	0	0	0	0	---	---	8
9	---	---	0 B	0.007	0.002	0.008	0	0	0	0	---	---	9
10	---	---	0 B	0.006	0.002	0.003	0	0	0	0	---	---	10
11	---	---	0 B	0.008	0.002	0.001	0	0	0	0	---	---	11
12	---	---	0 B	0.010	0.004	0.005	0	0	0	0	---	---	12
13	---	---	0 B	0.005	0.006	0.003	0	0	0	0	---	---	13
14	---	---	0 B	0.002	0.005	0.001	0	0	0	0	---	---	14
15	---	---	0 B	0.002	0.006	0.002	0	0	0	0.036	---	---	15
16	---	---	0 B	0.001	0.008	0.015	0	0	0	0.409	---	---	16
17	---	---	0 B	0.001	0.008	0.008	0	0	0	0.370	---	---	17
18	---	---	0 B	0.002	0.007	0.006	0	0	0	0.042	---	---	18
19	---	---	0 B	0.002	0.010	0.003	0	0	0	0.013	---	---	19
20	---	---	0.0028	0.002	0.013	0.001	0	0	0	0.012	---	---	20
21	---	---	0.0048	0.001	0.013	0.008	0	0	0	0.008	---	---	21
22	---	---	0.0078	0.001	0.011	0.013	0	0	0	0.004	---	---	22
23	---	---	0.0108	0.001	0.010	0.005	0	0	0	0.002	---	---	23
24	---	---	0.0148	0	0.009	0.002	0	0	0	0.001	---	---	24
25	---	---	0.0188	0	0.008	0.001	0	0	0	0 B	---	---	25
26	---	---	0.0078	0	0.008	0.008	0	0	0	0 B	---	---	26
27	---	---	0.0048	0.006	0.007	0.002	0	0	0	0 B	---	---	27
28	---	---	0.0058	0.007	0.005	0.001	0	0	0	0 B	---	---	28
29	---	---	0.0108	0.005	0.004	0	0	0	0	0 B	---	---	29
30	---		0.002	0.004	0.001	0	0	0	0	0 B	---	---	30
31	---		0.002		0.001		0	0		0 B		---	31
TOTAL	---	---	0.085	0.127	0.188	0.113	0.001	0	0	0.899	---	---	TOTAL
MEAN	---	---	0.003	0.004	0.006	0.004	0	0	0	0.029	---	---	MEAN
MAX	---	---	0.018	0.012	0.013	0.015	0.001	0	0	0.409	---	---	MAX
MIN	---	---	0	0	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.006
MAXIMUM DAILY, 0.409 ON OCT 16
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.435 AT 23 00 CST ON OCT 15

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 47 N
LONG 98 06 38 W
DRAINAGE AREA, 136 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.09
FEB	---	AUG	0
MAR	7.34	SEP	0
APR	11.0	OCT	77.7
MAY	16.5	NOV	---
JUN	9.76	DEC	---

TOTAL DISCHARGE, 120 dam³

DEER RIVER NORTH OF BELCHER - STATION NO 05FD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.498	1.86 B	0.9588	0.6338	70.38	104	15.9	3.84	2.18	2.78	3.278	1.28 B	1
2	3.488	1.83 B	0.9398	0.6308	66.58	97.4	14.2	4.07	2.07	3.05	3.088	1.21 B	2
3	3.488	1.80 B	0.9218	0.6248	57.98	92.6	13.0	4.07	2.26	3.41	2.948	1.18 B	3
4	3.438	1.76 B	0.9028	0.6218	51.28	91.4	12.7	3.93	2.37	3.81	2.778	1.16 B	4
5	3.408	1.71 B	0.8838	0.6108	44.58	89.9	12.6	3.59	2.34	4.40	2.648	1.13 B	5
6	3.368	1.66 B	0.8688	0.5988	37.68	83.6	13.5	3.47	2.44	3.90	2.528	1.12 B	6
7	3.318	1.64 B	0.8558	0.5858	32.68	78.8	13.6	3.21	2.88	3.72	2.408	1.10 B	7
8	3.278	1.60 B	0.8478	0.5748	24.68	70.5	12.2	3.01	2.95	4.59	2.328	1.07 B	8
9	3.218	1.56 B	0.8388	0.5688	24.68	61.4	11.5	2.96	2.96	4.12	2.248	1.05 B	9
10	3.188	1.53 B	0.8288	0.5918	26.9	53.8	10.8	2.67	3.04	4.20	2.148	1.03 B	10
11	3.128	1.48 B	0.8178	0.6108	25.1	48.8	10.2	2.52	3.08	4.35	2.058	1.01 B	11
12	3.088	1.46 B	0.8088	0.6388	22.7	38.1	9.86	2.61	3.13	4.42	1.998	0.9918	12
13	2.988	1.42 B	0.8008	0.6828	21.1	43.0	9.31	2.35	3.16	4.50	1.948	0.9778	13
14	2.918	1.38 B	0.7918	0.7228	20.2	38.7	8.72	2.22	3.13	4.56	1.898	0.9588	14
15	2.838	1.34 B	0.7808	0.7788	19.8	37.8	7.78	2.10	3.06	4.59	1.848	0.9448	15
16	2.788	1.31 B	0.7728	0.8478	22.3	35.0	7.28	2.03	2.98	4.57	1.808	0.9308	16
17	2.668	1.27 B	0.7648	1.31 B	36.0	33.8	6.93	2.06	2.98	4.59	1.758	0.9158	17
18	2.618	1.23 B	0.7558	3.48 B	86.4	31.4	6.70	2.05	3.02	4.74	1.718	0.9028	18
19	2.578	1.20 B	0.7478	7.84 B	181	30.2	6.47	2.00	2.85	5.18	1.688	0.8488	19
20	2.528	1.18 B	0.7388	12.6 B	188	27.8	6.89	2.13	2.78	6.18	1.638	0.8748	20
21	2.448	1.14 B	0.7308	18.0 B	206	25.2	6.85	2.48	2.84	7.32	1.608	0.8658	21
22	2.388	1.13 B	0.7258	24.6 B	205	23.8	6.53	3.17	2.87	7.81	1.588	0.8428	22
23	2.328	1.11 B	0.7168	31.8 B	186	23.0	6.26	2.22	2.87	11.1	1.538	0.8338	23
24	2.268	1.08 B	0.7088	39.3 B	180	21.8	6.09	2.48	2.47	7.11	1.488	0.8288	24
25	2.198	1.06 B	0.7008	47.8 B	118	20.7	5.83	2.52	2.48	6.87	1.438	0.8198	25
26	2.148	1.03 B	0.6888	57.0 B	85.5	20.3	5.27	2.38	2.80	5.238	1.408	0.8118	26
27	2.078	1.02 B	0.6808	67.5 B	62.1	20.6	4.84	2.38	3.48	4.988	1.378	0.8038	27
28	2.048	0.9988	0.6728	72.4 B	51.6	19.3	4.74	2.34	3.47	4.288	1.358	0.7918	28
29	1.958	0.9778	0.6608	73.1 B	43.2	18.4	4.48	2.18	3.46	3.938	1.308	0.7838	29
30	1.938		0.6528	72.4 B	105	17.0	4.38	2.23	3.52	3.888	1.288	0.7758	30
31	1.908		0.6448		108		3.98	3.34		3.488		0.7688	31
TOTAL	85.23	38.753	24.189	539.009	2 483.4	1 404.2	262.96	82.43	80.82	150.04	58.92	28.806	TOTAL
MEAN	2.75	1.37	0.780	18.0	79.5	46.8	8.48	2.66	2.69	4.84	1.96	0.929	MEAN
MAX	3.49	1.86	0.958	73.1	206	104	15.9	4.07	3.16	11.1	3.27	1.28	MAX
MIN	1.90	0.977	0.644	0.574	18.6	17.0	3.98	2.00	2.07	2.78	1.38	0.768	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.3
MAXIMUM DAILY, 206 ON MAY 21
MINIMUM DAILY, 0.5748 ON APR 6
MAXIMUM INSTANTANEOUS,
209 AT 01:00 CST ON MAY 22

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 00 54 N
LONG 94 11 44 W
DRAINAGE AREA, 1 880 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	7 380	JUL	23 700
FEB	3 430	AUG	7 120
MAR	2 080	SEP	6 880
APR	48 800	OCT	13 000
MAY	213 000	NOV	5 090
JUN	121 000	DEC	2 500

TOTAL DISCHARGE, 451 000 dam³

DELORAINE RESERVOIR NEAR DELORAINE - STATION NO. 05MG014

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	539.405	539.971	540.087	540.248	540.109	539.843	539.646	539.441	---	---	1
2	---	---	539.406	539.972	540.083	540.239	540.089	539.835	539.642	539.436	---	---	2
3	---	---	539.403	539.973	540.084	540.234	540.084	539.826	539.636	539.432	---	---	3
4	---	---	539.402	539.976	540.098	540.230	540.076	539.816	539.632	539.429	---	---	4
5	---	---	539.402	539.979	540.120	540.227	540.067	539.810	539.624	539.427	---	---	5
6	---	---	539.401	539.980	540.142	540.227	540.067	539.802	539.618	539.438	---	---	6
7	---	---	539.401	539.980	540.161	540.239	540.052	539.784	539.612	539.447	---	---	7
8	---	---	539.401	539.980	540.180	540.246	540.051	539.784	539.606	539.445	---	---	8
9	---	---	539.398	539.981	540.194	540.252	540.046	539.773	539.606	539.443	---	---	9
10	---	---	539.398	539.980	540.208	540.249	540.039	539.763	539.606	539.441	---	---	10
11	---	---	539.407A	539.986	540.222	540.246	540.032	539.754	539.604	539.483	---	---	11
12	---	---	539.407E	540.017	540.236	540.246	540.023	539.748	539.526	539.488	---	---	12
13	---	---	539.407E	540.048	540.249	540.245	540.013	539.738	539.531	539.483	---	---	13
14	---	---	539.407E	540.081	540.260	540.240	540.002	539.732	539.527	539.488	---	---	14
15	---	---	539.407E	540.085	540.277	540.237	539.993	539.722	539.522	539.487	---	---	15
16	---	---	539.407E	540.088	540.310	540.243	539.987	539.712	539.518	539.507	---	---	16
17	---	---	539.407E	540.088	540.324	540.238	539.978	539.700	539.513	539.504	---	---	17
18	---	---	539.407E	540.087	540.328	540.227	539.968	539.690	539.508	539.500	---	---	18
19	---	---	539.404E	540.088	540.332	540.218	539.960	539.682	539.502	539.508	---	---	19
20	---	---	539.402E	540.083	540.330	540.205	539.950	539.670	539.494	539.532	---	---	20
21	---	---	539.519E	540.081	540.328	540.198	539.936	539.658	539.481	539.533	---	---	21
22	---	---	539.557E	540.058	540.325	540.181	539.930	539.647	539.484	539.528	---	---	22
23	---	---	539.584E	540.058	540.318	540.180	539.922	539.637	539.478	539.526	---	---	23
24	---	---	539.631A	540.050	540.312	540.174	539.913	539.626	539.476	539.525	---	---	24
25	---	---	539.808A	540.046	540.305	540.163	539.903	539.621	539.473	539.523	---	---	25
26	---	---	539.878E	540.048	540.297	540.158	539.895	539.613	539.468	539.521	---	---	26
27	---	---	539.920A	540.063	540.288	540.151	539.887	539.604	539.462	539.526	---	---	27
28	---	539.408A	539.841	540.109	540.277	540.145	539.876	539.593	539.455	539.527	---	---	28
29	---	539.407	539.854	540.100	540.271	540.135	539.887	539.578	539.449	539.521A	---	---	29
30	---		539.852	540.082	540.264	540.122	539.860	539.563	539.443	539.520E	---	---	30
31	---		539.867		540.256		539.854	539.554		539.520E		---	31
MEAN	---	---	539.548	540.033	540.241	540.212	539.982	539.706	539.502	539.485	---	---	MEAN
MAX	---	---	539.867	540.109	540.332	540.252	540.109	539.843	539.646	539.533	---	---	MAX
MIN	---	---	539.398	539.971	540.083	540.122	539.854	539.554	539.443	539.427	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 540.332 ON MAY 19

MAXIMUM INSTANTANEOUS,
540.333 AT 07:10 CST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 50 N
LONG 100 24 40 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DENNIS LAKE NEAR MALONTON - STATION NO 05SB801

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	288.496	288.426	288.423	288.310	288.181	288.184	288.316	---	1
2	---	---	---	---	288.487	288.429	288.428	288.304	288.184	288.181	288.319	---	2
3	---	---	---	---	288.487	288.420	288.435	288.298	288.184	288.184	288.316	---	3
4	---	---	---	288.474A	288.487	288.401	288.428	288.295	288.181	288.181	---	---	4
5	---	---	---	---	288.474	288.401	288.417	288.289	288.184	288.184	---	---	5
6	---	---	---	---	288.480	288.404	288.404	288.289	288.142	288.154	---	---	6
7	---	---	---	---	288.502	288.435	288.386	288.289	288.139	288.151	---	---	7
8	---	---	---	---	288.487	288.474	288.389	288.285	288.133	288.148	---	---	8
9	---	---	---	---	288.459	288.482	288.401	288.292	288.127	288.145	---	---	9
10	---	---	---	288.458A	288.465	288.459	288.389	288.285	288.121	288.142	---	---	10
11	---	---	---	---	288.487	288.447	288.389	288.270	288.118	288.145	---	---	11
12	---	---	---	---	288.456	288.450	288.377	288.264	288.145	288.145	---	---	12
13	---	---	---	---	288.474	288.459	288.371	288.261	288.176	288.145	---	---	13
14	---	---	---	288.481	288.485	288.447	288.383	288.258	288.176	288.142	---	---	14
15	---	---	---	288.471	288.438	288.441	288.392	288.256	288.173	288.170	---	---	15
16	---	---	---	288.488	288.417	288.441	288.380	288.252	288.167	288.182	288.276A	---	16
17	---	---	---	288.485	288.456	288.459	288.371	288.249	288.181	288.187	---	---	17
18	---	---	---	288.482	288.485	288.459	288.382	288.243	288.184	288.203	---	---	18
19	---	---	---	288.488	288.447	288.435	288.359	288.234	288.145	288.221	---	---	19
20	---	---	---	288.459	288.438	288.429	288.343	288.228	288.139	288.281	---	---	20
21	---	---	---	---	288.483	288.456	288.432	288.340	288.228	288.187	288.288	---	21
22	---	---	---	288.462A	288.480	288.459	288.450	288.353	288.228	288.185	288.255	---	22
23	---	---	---	---	288.480	288.446	288.483	288.343	288.215	288.194	288.285	---	23
24	---	---	---	---	288.450	288.446	288.468	288.331	288.208	288.181	288.285	---	24
25	---	---	---	---	288.459	288.447	288.459	288.325	288.200	288.188	288.248	---	25
26	---	---	---	---	288.459	288.447	288.456	288.325	288.187	288.185	288.248	---	26
27	---	---	---	---	288.490	288.432	288.459	288.318	288.181	288.179	288.289	---	27
28	---	---	---	---	288.514	288.432	288.450	288.310	288.182	288.176	288.318	---	28
29	---	---	---	288.488A	288.488	288.414	288.438	288.301	288.176	288.173	288.318	---	29
30	---		---	---	288.502	288.417	288.429	288.307	288.170	288.170	288.318	---	30
31	---		---			288.420		288.316	288.170		288.318	---	31
MEAN	---	---	---	---	---	288.458	288.444	288.388	288.248	288.180	288.287	---	MEAN
MAX	---	---	---	---	---	288.502	288.483	288.438	288.310	288.194	288.318	---	MAX
MIN	---	---	---	---	---	288.414	288.401	288.301	288.170	288.118	288.142	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 48 N
LONG 97 20 38 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

DEVILS CREEK NEAR LISAU - STATION NO. 05DJ016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.84 B	0.170	0.038	0.388	0.037	0.028	0.036	---	---	1
2	---	---	0 B	1.83 B	0.148	0.035	0.291	0.036	0.030	0.032	---	---	2
3	---	---	0 B	1.47 B	0.120	0.031	0.236	0.034	0.030	0.032	---	---	3
4	---	---	0 B	1.31 B	0.103	0.031	0.193	0.033	0.031	0.033	---	---	4
5	---	---	0 B	1.15 B	0.090	0.032	0.162	0.034	0.030	0.034	---	---	5
6	---	---	0 B	0.989B	0.082	0.045	0.118	0.033	0.029	0.034	---	---	6
7	---	---	0 B	0.884B	0.080	0.107	0.105	0.032	0.028	0.033	---	---	7
8	---	---	0 B	0.739B	0.040	0.094	0.097	0.032	0.030	0.034	---	---	8
9	---	---	0 B	0.614E	0.036	0.218	0.078	0.034	0.034	0.034	---	---	9
10	---	---	0 B	0.489E	0.039	0.270	0.070	0.034	0.034	0.033	---	---	10
11	---	---	0 B	0.385A	0.035	0.474	0.071	0.033	0.031	0.038	---	---	11
12	---	---	0 B	0.380E	0.042	0.377	0.075	0.033	0.084	0.037	---	---	12
13	---	---	0 B	0.400E	0.041	0.385	0.102	0.031	0.078	0.038	---	---	13
14	---	---	0 B	0.420E	0.039	0.373	0.244	0.032	0.038	0.034	---	---	14
15	---	---	0 B	0.345E	0.035	0.374	0.184	0.031	0.034	0.089	---	---	15
16	---	---	0 B	0.289E	0.028	0.305	0.124	0.030	0.032	0.087	---	---	16
17	---	---	0 B	0.194E	0.026	0.259	0.100	0.029	0.030	0.076	---	---	17
18	---	---	0 B	0.118E	0.027	0.272	0.083	0.029	0.031	0.076	---	---	18
19	---	---	0 B	0.043E	0.023	1.14	0.071	0.029	0.030	0.191	---	---	19
20	---	---	0 B	0.042E	0.028	0.934	0.085	0.031	0.030	0.487	---	---	20
21	---	---	0 B	0.041E	0.048	1.02	0.085	0.031	0.033	0.538	---	---	21
22	---	---	0 B	0.040E	0.048	1.30	0.083	0.030	0.035	0.488	---	---	22
23	---	---	0 B	0.038E	0.048	0.858	0.047	0.030	0.037	0.383	---	---	23
24	---	---	0 B	0.038E	0.043	0.845	0.047	0.029	0.032	0.269	---	---	24
25	---	---	0 B	0.037A	0.038	0.858	0.046	0.030	0.032	0.185	---	---	25
26	---	---	0 0748	0.036A	0.048	0.704	0.040	0.029	0.032	0.135	---	---	26
27	---	---	0 883B	0.076	0.053	1.05	0.038	0.028	0.033	0.187	---	---	27
28	---	---	1.25 B	0.187	0.048	0.772	0.038	0.029	0.033	0.449	---	---	28
29	---	---	1.84 B	0.173	0.038	0.846	0.035	0.029	0.033	0.383	---	---	29
30	---		1.66 B	0.187	0.030	0.802	0.037	0.028	0.033	0.318	---	---	30
31	---		1.65 B		0.027		0.037	0.029		0.181		---	31
TOTAL	---	---	7 137	14 287	1.830	14.184	3.268	0.972	1.030	4 886	---	---	TOTAL
MEAN	---	---	0 230	0.476	0.053	0.473	0.105	0.031	0.034	0.157	---	---	MEAN
MAX	---	---	1.84	1.84	0.170	1.30	0.388	0.038	0.078	0.538	---	---	MAX
MIN	---	---	0	0.036	0.022	0.021	0.035	0.028	0.028	0.032	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.193
MAXIMUM DAILY, 1.84B ON MAR 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.17 AT 22:28 CST ON JUN 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 40 N
LONG 96 42 50 W
DRAINAGE AREA, 249 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	282
FEB	---	AUG	84.0
MAR	617	SEP	89.0
APR	1 230	OCT	420
MAY	161	NOV	---
JUN	1 230	DEC	---

TOTAL DISCHARGE, 4 090 dam³

DOG LAKE NEAR VOGAR - STATION NO. 05LN005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	247.502	247.838	247.518	247.410	247.382	---	---	1
2	---	---	---	---	---	247.489	247.826	247.514	247.402	247.382	---	---	2
3	---	---	---	---	247.528A	247.507	247.814	247.508	247.398	247.387	---	---	3
4	---	---	---	247.492A	---	247.521	247.808	247.504	247.389	247.418	---	---	4
5	---	---	---	---	---	247.547	247.819	247.502	247.411	247.392	---	---	5
6	---	---	---	---	---	247.551	247.811	247.506	247.436	247.383	---	---	6
7	---	---	---	---	---	247.518	247.809	247.487	247.403	247.382	---	---	7
8	---	---	---	---	---	247.518	247.804	247.478	247.397	247.382	---	---	8
9	---	---	---	---	---	247.532	247.588	247.465	247.393	247.382	---	---	9
10	---	---	---	---	---	247.518	247.800	247.492	247.388	247.390	---	---	10
11	---	---	---	---	---	247.511	247.587	247.497	247.388	247.425	---	---	11
12	---	---	---	---	---	247.518	247.802	247.484	247.422	247.433	---	---	12
13	---	---	---	---	---	247.502	247.598	247.468	247.388	247.395	---	---	13
14	---	---	---	247.481A	---	247.509	247.816	247.488	247.391	247.393	---	---	14
15	---	---	---	247.481	---	247.513	247.556	247.478	247.385	247.448	---	---	15
16	---	---	---	247.483	247.585A	247.498	247.550	247.481	247.389	247.470	---	---	16
17	---	---	---	247.488	247.441	247.530	247.567	247.467	247.388	247.382	---	---	17
18	---	---	---	247.489	247.441	247.510	247.563	247.471	247.386	247.426	---	---	18
19	---	---	---	247.480	247.517	247.532	247.559	247.463	247.378	247.463	---	---	19
20	---	---	---	247.489	247.528	247.532	247.578	247.442	247.388	247.448	---	---	20
21	---	---	---	247.481	247.481	247.540	247.556	247.433	247.492	247.444	---	---	21
22	---	---	---	247.482	247.508	247.544	247.529	247.452	247.380	247.432	---	---	22
23	---	---	---	247.488	247.538	247.575	247.529	247.488	247.359	247.418	---	---	23
24	---	---	---	247.482	247.552	247.528	247.544	247.451	247.401	247.481	---	---	24
25	---	---	---	247.427	247.527	247.528	247.538	247.444	247.384	247.483	---	---	25
26	---	---	---	247.488	247.520	247.521	247.538	247.444	247.375	247.445	---	---	26
27	---	---	247 570A	247.483	247.531	247.548	247.533	247.441	247.384	247.432	---	---	27
28	---	---	---	247.482E	247.538	247.553	247.531	247.407	247.388	247.440	---	---	28
29	---	---	---	247.488E	247.543	247.558	247.529	247.367	247.378	247.483	---	---	29
30	---		---	247.485A	247.523	247.533	247.520	247.348	247.385	247.484A	---	---	30
31	---		---		247.518		247.518	247.388		247.452E		---	31
MEAN	---	---	---	---	---	247.548	247.588	247.484	247.394	247.421	---	---	MEAN
MAX	---	---	---	---	---	247.558	247.838	247.518	247.492	247.470	---	---	MAX
MIN	---	---	---	---	---	247.498	247.518	247.348	247.350	247.382	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 247.558 ON JUN 26

MAXIMUM INSTANTANEOUS,
247.578 AT 10:04 CST ON JUN 26

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 30 N
LONG 96 36 31 W

A - MANUAL GAUGE
E - ESTIMATED
NATURAL FLOW

DOMAIN DRAIN NEAR DOMAIN - STATION NO. 05OD0008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.7398	0.040	0	0.001	0	0	0	---	---	1
2	---	---	0 B	0.7678	0.141	0	0	0	0	0	---	---	2
3	---	---	0 B	0.6888	0.184	0	0	0	0	0	---	---	3
4	---	---	0 B	0.5358	0.111	0	0	0	0	0	---	---	4
5	---	---	0 B	0.4738	0.050	0	0	0	0	0	---	---	5
6	---	---	0 B	0.4088	0.023	0	0	0	0	0	---	---	6
7	---	---	0 B	0.2508	0.001	0	0	0	0	0	---	---	7
8	---	---	0 B	0.2378	0	0.005	0.005	0	0	0	---	---	8
9	---	---	0 B	0.1678	0	0.114	0.110	0	0	0	---	---	9
10	---	---	0 B	0.110	0	0.111	0.114	0	0	0	---	---	10
11	---	---	0 B	0.053	0	0.045	0.045	0	0	0	---	---	11
12	---	---	0 B	0.124	0	0.063	0.007	0	0	0	---	---	12
13	---	---	0 B	0.105	0	0.146	0.005	0	0	0	---	---	13
14	---	---	0 B	0.062	0	0.038	0.004	0	0	0	---	---	14
15	---	---	0 B	0.017	0	0.006	0	0	0	0	---	---	15
16	---	---	0 B	0.012	0	0.001	0	0	0	0	---	---	16
17	---	---	0 B	0.003	0	0.053	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0.054	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0.031	0	0	0	0 A	---	---	19
20	---	---	0 B	0	0	0.001	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0.004	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0.001	0	0	0	0.002	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0.001	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0.0788	0	0	0	0	0	0	0	---	---	25
26	---	---	0.2788	0	0	0.022	0	0	0	0	---	---	26
27	---	---	0.1378	0	0	0.155	0	0	0	0	---	---	27
28	---	---	0.0068	0	0	0.080	0	0	0	0	---	---	28
29	---	---	0.0088	0	0	0.018	0	0	0	0 B	---	---	29
30	---		0.0158	0.002	0	0.001	0	0	0	0 B	---	---	30
31	---		0.2138		0		0	0		0 B		---	31
TOTAL	---	---	0.731	4.787	0.930	0.901	0.300	0	0	0.003	---	---	TOTAL
MEAN	---	---	0.024	0.159	0.017	0.030	0.010	0	0	0	---	---	MEAN
MAX	---	---	0.276	0.767	0.184	0.155	0.110	0	0	0.002	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.030
MAXIMUM DAILY, 0.7878 ON APR 2
MINIMUM DAILY, 00 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 38 32 N
LONG 97 17 30 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	25.9
FEB	---	AUG	0
MAR	83.2	SEP	0
APR	412	OCT	0.26
MAY	45.6	NOV	---
JUN	77.8	DEC	---

TOTAL DISCHARGE, 625 dam³

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

DUCK RIVER AT COWAN - STATION NO. 05LG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1608	1.138	2.018	2.26	1.60	0.230	0.0888	0.838	---	---	1
2	---	---	0.1488	1.448	2.818	1.67	1.27	0.208	0.118	0.893	---	---	2
3	---	---	0.1478	1.388	4.08	1.60	1.08	0.184	0.168	1.01	---	---	3
4	---	---	0.1458	1.418	5.28	1.35	0.981	0.158	0.188	1.04	---	---	4
5	---	---	0.1438	1.888	5.88	1.18	0.923	0.188	0.181	0.988	---	---	5
6	---	---	0.1428	1.988	5.44	1.18	0.872	0.178	0.178	0.881	---	---	6
7	---	---	0.1408	2.848	4.38	11.8	0.788	0.281	0.203	0.778	---	---	7
8	---	---	0.1388	3.018	3.48	12.5	0.782	0.243	0.273	0.711	---	---	8
9	---	---	0.1378	4.028	3.38	7.70	0.686	0.248	0.311	0.887	---	---	9
10	---	---	0.1388	3.98	4.78	5.12	0.809	0.218	0.240	0.831	---	---	10
11	---	---	0.1348	3.71	10.2	3.88	0.852	0.178	0.212	0.881	---	---	11
12	---	---	0.1338	4.84	11.7	2.88	0.808	0.181	0.288	0.870	---	---	12
13	---	---	0.1328	5.48	7.80	2.18	0.804	0.158	0.643	0.858	---	---	13
14	---	---	0.1318	5.08	5.88	1.77	0.824	0.188	0.888	0.818	---	---	14
15	---	---	0.1188	3.58	4.83	1.62	0.728	0.141	0.488	0.883	---	---	15
16	---	---	0.1238	3.04	3.82	1.38	0.758	0.184	0.384	0.88	---	---	16
17	---	---	0.1388	2.87	3.33	1.37	0.788	0.211	0.243	10.5	---	---	17
18	---	---	0.1348	2.38	3.28	1.64	0.648	0.183	0.213	8.28	---	---	18
19	---	---	0.1288	2.08	3.88	1.38	0.852	0.187	0.281	3.98	---	---	19
20	---	---	0.1718	1.82	4.28	2.80	0.483	0.183	0.248	4.21	---	---	20
21	---	---	0.2828	1.88	7.08	2.78	0.481	0.188	0.288	3.33	---	---	21
22	---	---	0.5088	1.43	8.88	10.0	0.803	0.183	1.18	2.84	---	---	22
23	---	---	0.4018	1.33	6.88	28.2	0.456	0.182	1.81	3.11	---	---	23
24	---	---	0.4528	1.28	6.21	21.1	0.377	0.188	1.27	1.88	---	---	24
25	---	---	0.8878	3.03	5.88	8.33	0.331	0.141	1.02	1.44	---	---	25
26	---	---	1.38 B	4.88	8.88	4.84	0.288	0.128	1.01	1.88	---	---	26
27	---	---	1.18 B	3.48	8.88	3.37	0.288	0.111	0.886	1.48 B	---	---	27
28	---	---	1.08 B	3.488	8.33	3.02	0.284	0.188	0.848	1.27 B	---	---	28
29	---	---	1.03 B	2.488	4.47	2.88	0.238	0.188	0.828	1.18 B	---	---	29
30	---		1.18 B	2.758	3.38	1.78	0.246	0.0878	0.648	0.8818	---	---	30
31	---		0.8488		2.72		0.288	0.0748		0.8818		---	31
TOTAL	---	---	13.318	83.78	183.87	163.61	18.358	5.283	15.888	53.737	---	---	TOTAL
MEAN	---	---	0.387	2.79	5.38	5.13	0.824	0.178	0.532	2.83	---	---	MEAN
MAX	---	---	1.38	5.48	11.7	28.2	1.68	0.243	1.81	10.5	---	---	MAX
MIN	---	---	0.118	1.13	2.81	1.18	0.238	0.074	0.888	0.818	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.11
MAXIMUM DAILY, 28.2 ON JUN 23
MINIMUM DAILY, 0.0888 ON SEP 1
MAXIMUM INSTANTANEOUS,
38.0 AT 17:52 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 50 N
LONG 100 38 00 W
DRAINAGE AREA, 223 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 870
FEB	---	AUG	456
MAR	1 080	SEP	1 380
APR	7 240	OCT	5 420
MAY	14 100	NOV	---
JUN	13 300	DEC	---

TOTAL DISCHARGE, 44 800 dam³

EAST FISHER RIVER NEAR HODGSON - STATION NO. 05SD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0488	3.00 B	0.203	0.263	1.18	---	---	---	---	---	1
2	---	---	0.0488	2.73 B	0.261	0.221	1.10	---	---	---	---	---	2
3	---	---	0.0478	2.76 B	0.295E	0.201	0.731	---	---	---	---	---	3
4	---	---	0.0458	2.59 B	0.305E	0.182	0.673	---	---	---	---	---	4
5	---	---	0.0458	2.08	0.415E	0.447	---	---	---	---	---	---	5
6	---	---	0.0448	2.00	0.485E	0.284	---	---	---	---	---	---	6
7	---	---	0.0438	1.40	0.542A	0.625	---	---	---	---	---	---	7
8	---	---	0.0438	1.35	0.555	0.634	---	---	---	---	---	---	8
9	---	---	0.0418	1.11	0.528	0.526	---	---	---	---	---	---	9
10	---	---	0.0408	0.810	0.858	0.376	---	---	---	---	---	---	10
11	---	---	0.0388	0.840	0.880	0.310	---	---	---	---	---	---	11
12	---	---	0.0368	0.818	0.858	0.272	---	---	---	---	---	---	12
13	---	---	0.0378	0.557	0.430	0.548	---	---	---	---	---	---	13
14	---	---	0.0368	0.427	0.333	0.280	---	---	---	---	---	---	14
15	---	---	0.0358	0.390	0.294	0.189	---	---	---	---	---	---	15
16	---	---	0.0348	0.345	0.268	0.215	---	---	---	---	---	---	16
17	---	---	0.0338	0.188	0.251	5 76	---	---	---	---	---	---	17
18	---	---	0.0328	0.218	0.231	4 81	---	---	---	---	---	---	18
19	---	---	0.0308	0.180	0.227	1 43	---	---	---	---	---	---	19
20	---	---	0.0358	0.195	0.240	0.422	---	---	---	---	---	---	20
21	---	---	0.0858	0.188	0.244	0.317	---	---	---	---	---	---	21
22	---	---	0.1108	0.185	0.300	15 3	---	---	---	---	---	---	22
23	---	---	0.1508	0.187	0.220	33 8	---	---	---	---	---	---	23
24	---	---	0.2328	0.185	0.296	22 4	---	---	---	---	---	---	24
25	---	---	0.2958	0.183	0.284	17.8	---	---	---	---	---	---	25
26	---	---	0.3858	0.183	0.268	11 8	---	---	---	---	---	---	26
27	---	---	0.4578	0.188	0.235	8 75	---	---	---	---	---	---	27
28	---	---	0.5878	0.178	0.212	3 70	---	---	---	---	---	---	28
29	---	---	1.14 B	0.144	0.183	2 13	---	---	---	---	---	---	29
30	---		1.33 B	0.138	0.200	1.48	---	---	---	---	---	---	30
31	---		1.63 B		0.197		---	---	---	---	---	---	31
TOTAL	---	---	7.185	24.098	10.534	133.208	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.231	0.803	0.340	4.44	---	---	---	---	---	---	MEAN
MAX	---	---	1.63	3.76	0.858	33 8	---	---	---	---	---	---	MAX
MIN	---	---	0.030	0.138	0.193	0.189	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 43
MAXIMUM DAILY, 33.8 ON JUN 23
MINIMUM DAILY, 0 0308 ON MAR 19

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 13 00 N
LONG 97 32 00 W
DRAINAGE AREA, 384 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	618	SEP	---
APR	2 080	OCT	---
MAY	910	NOV	---
JUN	11 500	DEC	---

TOTAL DISCHARGE, 15 100 dam³

EDWARDS CREEK DRAIN BELOW JACKFISH CREEK - STATION NO 05LJ047

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.5908	0 682	0 470	0 157	0 001	0	0 008	---	---	1
2	---	---	0 B	1 15 B	0 751	0 366	0 132	0	0	0 008	---	---	2
3	---	---	0 B	1 00 B	0 615	0 316	0 106	0	0	0 005	---	---	3
4	---	---	0 B	0 8588	1 30	0 291	0 082	0	0	0 004	---	---	4
5	---	---	0 B	0 3388	1 99	0 249	0 135	0	0	0 005	---	---	5
6	---	---	0 B	0 8568	3 14	0 267	0 182	0	0	0 002	---	---	6
7	---	---	0 B	0 7708	2 38	1 69	0 106	0	0 003	0 001	---	---	7
8	---	---	0 B	0 859	1 88	1 81	0 057	0	0 002	0 001	---	---	8
9	---	---	0 B	0 834	2 30	1 66	0 084	0	0 003	0 001	---	---	9
10	---	---	0 B	0 621	3 11	1 68	0 113	0	0 002	0 001	---	---	10
11	---	---	0 B	0 455	5 83	0 877	0 080	0	0 001	0 001	---	---	11
12	---	---	0 B	1 02	6 50	0 615	0 124	0	0 006	0 001	---	---	12
13	---	---	0 B	2 66	5 77	0 481	0 126	0	0 022	0 001	---	---	13
14	---	---	0 B	1 39	5 47	0 415	0 066	0	0 018	0 001	---	---	14
15	---	---	0 B	0 779	3 66	0 313	0 050	0	0 010	0 000	---	---	15
16	---	---	0 B	0 552	3 84	0 302	0 080	0	0 005	2 19	---	---	16
17	---	---	0 B	0 448	1 78	0 805	0 051	0	0 001	0 570	---	---	17
18	---	---	0 B	0 298	1 17	0 534	0 041	0	0	0 488	---	---	18
19	---	---	0 B	0 257	1 35	0 336	0 032	0	0	0 437	---	---	19
20	---	---	0 B	0 276	1 65	0 260	0 023	0	0	3 43	---	---	20
21	---	---	0 B	0 232	1 66	0 238	0 030	0	0 008	2 38	---	---	21
22	---	---	0 B	0 210	1 26	0 285	0 019	0	0 035	1 40	---	---	22
23	---	---	0 1068	0 189	0 898	5 53	0 017	0	0 018	0 828	---	---	23
24	---	---	0 8408	0 171	1 66	4 02	0 015	0	0 015	0 591	---	---	24
25	---	---	1 34 B	0 169	3 68	1 51	0 014	0	0 013	0 588	---	---	25
26	---	---	1 02 B	0 167	2 45	0 847	0 011	0	0 011	0 5878	---	---	26
27	---	---	0 7588	0 071	1 80	0 408	0 009	0	0 014	0 5928	---	---	27
28	---	---	0 5088	0 018	1 07	0 300	0 002	0	0 012	0 4808	---	---	28
29	---	---	0 3648	0 819	0 935	0 234	0 001	0	0 010	0 4548	---	---	29
30	---		0 3008	0 989	0 754	0 178	0 004	0	0 008	0 4308	---	---	30
31	---		0 2788		0 578		0 005	0		0 4008		---	31
TOTAL	---	---	9 436	16.101	71 359	27.104	3.005	0.001	0.204	18.256	---	---	TOTAL
MEAN	---	---	0 175	0 803	2 30	0 803	0 085	0	0 007	0 524	---	---	MEAN
MAX	---	---	1 34	2 66	6 50	5 53	0 183	0 001	0 035	3 43	---	---	MAX
MIN	---	---	0	0 018	0 578	0 178	0 001	0	0	0 001	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 573
MAXIMUM DAILY, 6 50 ON MAY 12
MINIMUM DAILY, 0 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
8 32 AT 15:10 CST ON JUN 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 06 30 N
LONG 99 55 20 W
DRAINAGE AREA, 311 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	193
FEB	---	AUG	0 05
MAR	488	SEP	17 8
APR	1 550	OCT	1 400
MAY	6 170	NOV	---
JUN	2 340	DEC	---

TOTAL DISCHARGE, 12 100 dam³

ELGIN CREEK NEAR SOURIS - STATION NO. 05MD012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.088	0.0318	0.004	0	0	0	0	---	---	1
2	---	---	0 B	0.073	0.0288	0.003	0	0	0	0	---	---	2
3	---	---	0 B	0.048	0.030	0.002	0	0	0	0	---	---	3
4	---	---	0 B	0.036	0.036	0.002	0	0	0	0	---	---	4
5	---	---	0 B	0.026	0.339	0.002	0	0	0	0	---	---	5
6	---	---	0 B	0.022	0.376	0.002	0	0	0	0	---	---	6
7	---	---	0 B	0.014	0.468	0.004	0	0	0	0	---	---	7
8	---	---	0 B	0.009	0.432	0.003	0	0	0	0	---	---	8
9	---	---	0 B	0.005	0.357	0.003	0	0	0	0	---	---	9
10	---	---	0 B	0.010	0.308	0.002	0	0	0	0	---	---	10
11	---	---	0 B	0.010	0.274	0.002	0	0	0	0	---	---	11
12	---	---	0 B	0.016	0.232	0.002	0	0	0	0	---	---	12
13	---	---	0 B	0.018	0.206	0.002	0	0	0	0	---	---	13
14	---	---	0 B	0.011	0.172	0.001	0	0	0	0	---	---	14
15	---	---	0 B	0.008	0.139	0.001	0	0	0	0	---	---	15
16	---	---	0 B	0.008	0.089	0.001	0	0	0	0	---	---	16
17	---	---	0 B	0.008	0.074	0.001	0	0	0	0	---	---	17
18	---	---	0 B	0.005	0.054	0	0	0	0	0	---	---	18
19	---	---	0 B	0.004	0.043	0	0	0	0	0	---	---	19
20	---	---	0 B	0.004	0.038	0	0	0	0	0	---	---	20
21	---	---	0 B	0.004	0.033	0	0	0	0	0	---	---	21
22	---	---	0 B	0.004	0.026	0	0	0	0	0	---	---	22
23	---	---	0 B	0.003	0.020	0	0	0	0	0	---	---	23
24	---	---	0 0028	0.003	0.024	0	0	0	0	0	---	---	24
25	---	---	0 001	0.003	0.022	0	0	0	0	0	---	---	25
26	---	---	0 001	0.003	0.018	0	0	0	0	0	---	---	26
27	---	---	0	0.0038	0.011	0	0	0	0	0	---	---	27
28	---	---	0 150	0.0038	0.004	0	0	0	0	0	---	---	28
29	---	---	0 203	0.0108	0.007	0	0	0	0	0	---	---	29
30	---		0 182	0.0188	0.008	0	0	0	0	0	---	---	30
31	---		0 135		0.005		0	0		0		---	31
TOTAL	---	---	0 844	0.488	3.898	0.037	0	0	0	0	---	---	TOTAL
MEAN	---	---	0 021	0.017	0.126	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	0 203	0.088	0.468	0.004	0	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0.005	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 021
MAXIMUM DAILY, 0 468 ON MAY 7
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 484 AT 13 00 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 26 N
LONG 100 14 05 W
DRAINAGE AREA, 1 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	85 5	SEP	0
APR	43 1	OCT	0
MAY	337	NOV	---
JUN	3 20	DEC	---

TOTAL DISCHARGE, 439 dam³

ELM CREEK CHANNEL NO 2 NEAR ELM CREEK - STATION NO 05OE006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2088	0.036	0	0.118	---	---	---	---	---	1
2	---	---	0 B	0.1248	0.058	0	0.084	---	---	---	---	---	2
3	---	---	0 B	0.0948	0.085	0	0.047	---	---	---	---	---	3
4	---	---	0 B	0.0748	0.143	0	0.029	---	---	---	---	---	4
5	---	---	0 B	0.0438	0.237	0	0.015	---	---	---	---	---	5
6	---	---	0 B	0.0178	0.373	0	0.006	---	---	---	---	---	6
7	---	---	0 B	0.0108	0.920	0	0	---	---	---	---	---	7
8	---	---	0 B	0.0188	0.856	0	0	---	---	---	---	---	8
9	---	---	0 B	0.0208	0.717	0	0	---	---	---	---	---	9
10	---	---	0 B	0.042	0.408	0	0	---	---	---	---	---	10
11	---	---	0 B	0.048	0.261	0	0	---	---	---	---	---	11
12	---	---	0 B	0.081	0.135	0.008	0	---	---	---	---	---	12
13	---	---	0 B	0.088	0.072	0.035	0	---	---	---	---	---	13
14	---	---	0 B	0.088	0.038	0.077	0	---	---	---	---	---	14
15	---	---	0 B	0.038	0.023	0.123	0	---	---	---	---	---	15
16	---	---	0 B	0.026	0.010	0.048	0	---	---	---	---	---	16
17	---	---	0 B	0.014	0.003	0.068	0	---	---	---	---	---	17
18	---	---	0 B	0.007	0	0.052	0	---	---	---	---	---	18
19	---	---	0 B	0.002	0	0.031	0	---	---	---	---	---	19
20	---	---	0 B	0	0	0.018	0	---	---	---	---	---	20
21	---	---	0 B	0	0	0.085	0	---	---	---	---	---	21
22	---	---	0 B	0	0	2.88	0	---	---	---	---	---	22
23	---	---	0 B	0	3	3.06	0	---	---	---	---	---	23
24	---	---	0 B	0	0	1.49	---	---	---	---	---	---	24
25	---	---	0 0.0	0	0	1.04	---	---	---	---	---	---	25
26	---	---	0 3118	0	0	0.708	---	---	---	---	---	---	26
27	---	---	0 3048	0	0	0.462	---	---	---	---	---	---	27
28	---	---	0 2328	0 009	0	0 333	---	---	---	---	---	---	28
29	---	---	0 3148	0 012	0	0 242	---	---	---	---	---	---	29
30	---		0 3068	0 020	0	0.188	---	---	---	---	---	---	30
31	---		0 3238		0		---	---		---		---	31
TOTAL	---	---	1 837	1.070	4.374	8.878	---	---	---	---	---	---	TOTAL
MEAN	---	---	0 086	0 036	0.141	0.323	---	---	---	---	---	---	MEAN
MAX	---	---	0 323	0 209	0 920	3.88	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 139
MAXIMUM DAILY, 3 88 ON JUN 23
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
3 97 AT 03 46 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 43 N
LONG 97 56 57 W
DRAINAGE AREA, 673 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	188	SEP	---
APR	92.4	OCT	---
MAY	376	NOV	---
JUN	836	DEC	---

TOTAL DISCHARGE, 1 470 dam³

ELM CREEK CHANNEL NO 3 NEAR ELM CREEK - STATION NO. 05DG009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1838	0	0	0	---	---	---	---	---	1
2	---	---	0 B	0.1458	0	0	0	---	---	---	---	---	2
3	---	---	0 B	0.1348	0.002	0	0	---	---	---	---	---	3
4	---	---	0 B	0.1038	0.025	0	0	---	---	---	---	---	4
5	---	---	0 B	0.069	0.041	0	0	---	---	---	---	---	5
6	---	---	0 B	0.032	0.423	0	0	---	---	---	---	---	6
7	---	---	0 B	0.018	0.752	0	0	---	---	---	---	---	7
8	---	---	0 B	0.004	0.318	0	0	---	---	---	---	---	8
9	---	---	0 B	0	0.144	0	0	---	---	---	---	---	9
10	---	---	0 B	0	0.018	0	0	---	---	---	---	---	10
11	---	---	0 B	0	0.004	0	0	---	---	---	---	---	11
12	---	---	0 B	0	0.002	0	0	---	---	---	---	---	12
13	---	---	0 B	0	0	0	0	---	---	---	---	---	13
14	---	---	0 B	0	0	0	0	---	---	---	---	---	14
15	---	---	0 B	0	0	0	0	---	---	---	---	---	15
16	---	---	0 B	0	0	0	0	---	---	---	---	---	16
17	---	---	0 B	0	0	0	0	---	---	---	---	---	17
18	---	---	0 B	0	0	0	0	---	---	---	---	---	18
19	---	---	0 B	0	0	0	0	---	---	---	---	---	19
20	---	---	0 B	0	0	0	0	---	---	---	---	---	20
21	---	---	0 B	0	0	0	0	---	---	---	---	---	21
22	---	---	0 B	0	0	0	0	---	---	---	---	---	22
23	---	---	0 B	0	0	0	0	---	---	---	---	---	23
24	---	---	0 B	0	0	0	---	---	---	---	---	---	24
25	---	---	0.0018	0	0	0	---	---	---	---	---	---	25
26	---	---	0.3138	0	0	0	---	---	---	---	---	---	26
27	---	---	0.2228	0	0	0	---	---	---	---	---	---	27
28	---	---	0.1438	0	0	0	---	---	---	---	---	---	28
29	---	---	0.2058	0	0	0	---	---	---	---	---	---	29
30	---		0.1818	0	0	0	---	---	---	---	---	---	30
31	---		0.1888		0		---	---		---		---	31
TOTAL	---	---	1.231	0.848	1.727	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.040	0.022	0.058	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.313	0.163	0.752	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.030
MAXIMUM DAILY, 0.752 ON MAY 7
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.04 AT 05:05 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 54 N
LONG 98 00 20 W
DRAINAGE AREA, 484 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	106	SEP	---
APR	55.8	OCT	---
MAY	149	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 311 dam³

EPINETTE CREEK NEAR CARBERRY - STATION NO. 05MH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0B	0 B	0.014	0.013	0.003	0	0.004	0.002	---	---	1
2	---	---	0B	0 B	0.012	0.012	0.003	0	0.005	0.002	---	---	2
3	---	---	0B	0 B	0.010	0.013	0.001	0	0.006	0.002	---	---	3
4	---	---	0B	0.0028	0.058	0.008	0.001	0.001	0.006	0.001	---	---	4
5	---	---	0B	0.0028	0.010	0.007	0.001	0	0.004	0.002	---	---	5
6	---	---	0B	0.0038	0.015	0.008	0.001	0	0.007	0.002	---	---	6
7	---	---	0B	0.006	0.019	0.010	0.001	0	0.008	0.002	---	---	7
8	---	---	0B	0.008	0.024	0.010	0.001	0	0.010	0.002	---	---	8
9	---	---	0B	0.011	0.021	0.012	0.001	0	0.011	0.002	---	---	9
10	---	---	0B	0.015	0.022	0.011	0.001	0	0.010	0.002	---	---	10
11	---	---	0B	0.020	0.023	0.011	0.001	0	0.008	0.003	---	---	11
12	---	---	0B	0.020	0.018	0.012	0.004	0	0.005	0.004	---	---	12
13	---	---	0B	0.022	0.017	0.011	0.008	0	0.004	0.004	---	---	13
14	---	---	0B	0.017	0.014	0.008	0.003	0	0.004	0.004	---	---	14
15	---	---	0B	0.016	0.013	0.032	0.003	0	0.004	0.005	---	---	15
16	---	---	0B	0.016	0.014	0.008	0.003	0.001	0.003	0.007	---	---	16
17	---	---	0B	0.016	0.016	0.008	0.003	0.001	0.003	0.005	---	---	17
18	---	---	0B	0.016	0.017	0.008	0.002	0	0.007	0.003	---	---	18
19	---	---	0B	0.016	0.016	0.008	0.002	0	0.004	0.005	---	---	19
20	---	---	0B	0.016	0.016	0.008	0.001	0	0.004	0.007	---	---	20
21	---	---	0B	0.016	0.016	0.007	0.003	0	0.005	0.004	---	---	21
22	---	---	0B	0.016	0.015	0.007	0.004	0	0.005	0.003	---	---	22
23	---	---	0B	0.016	0.014	0.007	0.001	0	0.005	0.003	---	---	23
24	---	---	0B	0.016	0.014	0.008	0	0	0.005	0.002	---	---	24
25	---	---	0B	0.014	0.015	0.008	0	0.001	0.004	0.001	---	---	25
26	---	---	0B	0.016	0.012	0.008	0	0.001	0.004	0.001	---	---	26
27	---	---	0B	0.018	0.011	0.007	0	0.001	0.004	0.0038	---	---	27
28	---	---	0B	0.020	0.011	0.008	0	0.001	0.003	0.0038	---	---	28
29	---	---	0B	0.018	0.010	0.004	0	0.001	0.002	0.0038	---	---	29
30	---		0B	0.018	0.010	0.003	0.002	0.002	0.002	0.0038	---	---	30
31	---		0B		0.010		0.002	0.025		0.0038		---	31
TOTAL	---	---	0	0.388	0.505	0.289	0.056	0.035	0.133	0.095	---	---	TOTAL
MEAN	---	---	0	0.013	0.016	0.012	0.002	0.001	0.008	0.003	---	---	MEAN
MAX	---	---	0	0.022	0.058	0.085	0.008	0.025	0.067	0.007	---	---	MAX
MIN	---	---	0	0	0.010	0.003	0	0	0.002	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.085 ON JUN 15
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.32 AT 16:13 CST ON SEP 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 44 28 N
LONG 99 19 50 W
DRAINAGE AREA, 388 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4.84
FEB	---	AUG	3.02
MAR	0	SEP	20.1
APR	33.4	OCT	8.21
MAY	43.6	NOV	---
JUN	31.9	DEC	---

TOTAL DISCHARGE, 145 dam³

FAIRFORD RIVER NEAR FAIRFORD - STATION NO 05LM001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	35 2B	34 5	33 2A	34 1	31 3	45 7	180	148	28 6	35 3	40 5B	56 7B	1
2	36 2B	34 3	33 2E	34 3	32 8	47 0	176	151	28 4	42 4	54 8B	55 8B	2
3	36 2B	34 3	33 2E	34 3	34 0	41 3	168	153	32 2	34 2	43 7B	56 8B	3
4	36 2B	34 3B	33 2E	34 3	34 2	40 6	159	156	30 1	30 7	34 0B	55 8B	4
5	36 2B	34 2B	33 2E	34 5	35 8	37 4	139	160	34 0	36 7	34 0B	55 3B	5
6	36 2B	34 2B	33 2E	35 6	31 1	36 2	145	155	43 7	38 3	33 7B	55 2B	6
7	36 2B	34 1B	33 2B	36 1	32 0	45 4	149	138	41 1	34 2	33 3B	54 8B	7
8	36 2B	34 1B	33 2B	36 7	33 4	40 5	162	115	27 4	37 4	33 1B	54 5B	8
9	36 2B	34 1B	33 2B	36 8	35 2	38 7	186	101	28 6	41 2	33 1B	54 4B	9
10	36 2B	34 1	33 2B	37 3	36 8	38 7	171	108	29 9	41 7	33 0B	54 3B	10
11	36 2B	34 1	33 1B	37 8	35 3	43 2	169	119	31 1	43 8	32 8B	54 2B	11
12	36 2B	33 8	33 1B	38 0	37 8	40 2	163	118	29 8	53 9	32 8B	54 2B	12
13	36 1B	33 6	33 1B	38 0	38 3	39 2	166	112	28 4	49 6	32 9B	54 1B	13
14	36 1B	33 5	33 1B	37 4	39 4	42 3	174	110	32 0	47 3	33 0B	54 1B	14
15	36 1B	33 6	33 1B	37 4	41 2	43 8	162	102	34 5	44 2	33 0B	54 0B	15
16	36 1B	33 6	33 1B	37 8	43 5	44 6	157	108	37 1	71 8	33 1B	54 0B	16
17	36 1B	33 6	33 1B	38 6	58 3	46 8	155	104	35 7	36 5	33 1B	53 9B	17
18	36 1B	33 7	33 1B	39 4	53 8	45 2	158	109	34 4	86 9	33 1B	43 9B	18
19	36 1B	33 6	33 6B	39 4	39 4	46 3	154	115	30 9	92 1	33 1B	53 8B	19
20	36 1B	33 9	33 7B	39 0	40 2	47 9	158	118	32 7	86 8	33 2B	53 8B	20
21	36 1B	33 8	33 9	38 4	46 4	48 1	162	100	24 1	87 8	33 3B	53 7B	21
22	36 1B	33 4	33 8	38 6	40 4	50 0	158	98 9	28 8	84 8E	33 4B	53 7B	22
23	36 1B	33 0	34 2	41 9	37 3	107	156	106	25 2	70 0E	33 6B	53 6B	23
24	36 1B	33 1	33 8	32 9	32 6	153	153	110	25 7	55 5E	33 8B	53 5B	24
25	36 1B	33 4	33 9	25 2	36 5	183	153	107	27 4	40 9E	33 7B	53 4B	25
26	35 8B	33 6	34 1	25 5	38 3	184	150	107	30 4	38 7E	34 0B	53 4B	26
27	35 8B	33 5	34 1	8 93	38 0	151	156	105	29 4	36 5E	34 2B	53 3B	27
28	35 7B	33 2	34 1	16 9	39 8	153	161	105	30 4	31 9B	34 5B	53 3B	28
29	35 7	33 3	33 9	38 3	42 9	186	186	100	30 9	32 1A	44 1B	53 2B	29
30	35 7		33 9	30 3	43 5	182	159	38 4	29 7	35 0B	56 2B	53 2B	30
31	35 4		33 7		42 0		148	30 3		33 1B		53 2B	31
TOTAL	1 117 8	980 3	1 037 3	1 034 83	1 201 3	2 185 9	4 956	3 811 6	934 8	1 520 9	1 073 9	1 682 0	TOTAL
MEAN	36 1	33 8	33 5	34 5	38 8	72 9	160	113	31 2	49 1	35 8	54 3	MEAN
MAX	36 2	34 5	34 2	41 9	58 3	182	180	160	43 7	97 6	56 2	56 8	MAX
MIN	35 4	33 0	33 1	8 93	31 1	36 2	139	30 3	24 1	30 7	32 8	53 2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 58 0
MAXIMUM DAILY, 182 ON JUN 30
MINIMUM DAILY, 8 93 ON APR 27
MAXIMUM INSTANTANEOUS,
200 AT 08 57 CST ON JUN 30

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 36 00 N
LONG 98 42 15 W
DRAINAGE AREA, 79 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1934

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	95 600	JUL	428 000
FEB	84 700	AUG	303 000
MAR	89 800	SEP	80 800
APR	89 400	OCT	131 000
MAY	104 000	NOV	92 800
JUN	189 000	DEC	145 000

TOTAL DISCHARGE, 1 830 000 dam³

FALCON LAKE AT FALCON LAKE - STATION NO 05PD801

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	327 177	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	---	---	---	---	327 378	---	327 140	---	---	3
4	---	---	---	---	---	327 235	---	327 348	---	---	---	---	4
5	---	---	---	---	---	---	---	327 358E	---	---	---	---	5
6	---	---	---	---	---	---	---	327 368	---	---	---	---	6
7	---	---	---	---	---	---	---	---	---	---	---	---	7
8	---	---	---	---	---	327 355	327 436	---	---	---	---	---	8
9	---	---	---	---	---	---	---	---	---	---	---	---	9
10	---	---	---	---	---	---	---	---	---	---	---	---	10
11	---	---	---	---	327 182	327 415	---	327 344	---	---	---	---	11
12	---	---	---	---	---	---	---	327 344	---	---	---	---	12
13	---	---	---	---	---	---	---	327 337E	---	---	---	---	13
14	---	---	---	---	---	---	327 448	327 329	---	---	---	---	14
15	---	---	---	---	327 205	327 545	327 441E	327 312E	---	---	---	---	15
16	---	---	---	---	---	---	327 436	327 294	---	---	---	---	16
17	---	---	---	---	---	---	---	---	---	---	---	---	17
18	---	---	---	---	---	327 545	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	---	19
20	---	---	---	---	---	---	---	---	---	---	---	---	20
21	---	---	---	---	---	---	327 429	---	---	---	327 329	---	21
22	---	---	---	---	---	327 585	327 427	---	---	327 260	---	---	22
23	---	---	---	---	---	---	327 427	---	---	---	---	---	23
24	---	---	---	---	---	---	327 417	---	---	---	---	---	24
25	---	---	---	---	---	327 565	327 412E	---	---	---	---	---	25
26	---	---	---	---	---	---	327 407	---	---	---	---	---	26
27	---	---	327 084	---	---	---	327 405	---	327 170	---	---	---	27
28	---	---	---	---	---	327 550	327 400E	---	327 160	---	---	---	28
29	---	---	---	---	---	327 535	327 384E	327 278	---	---	---	---	29
30	---		---	---	---	---	327 388	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 45 N
LONG 95 18 45 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1983

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

FAMILY LAKE AT LITTLE GRAND RAPIDS - STATION NO 05RD005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	303.880	304.088	304.826	304.889	304.742	304.400	304.218	304.207	304.345	1
2	---	---	---	303.889	304.083	304.853	304.871	304.734	304.382	304.203	304.197	304.352	2
3	---	---	---	303.888	304.090	304.885	304.887	304.726	304.384	304.194	304.197	304.383	3
4	---	---	---	303.891	304.091	304.885	304.880	304.716	304.373	304.181	304.200	304.372	4
5	---	---	---	303.890	304.096	304.880	304.853	304.710	304.389	304.183	304.201	304.381	5
6	---	---	---	303.897	304.087	304.815	304.850	304.699	304.370	304.180	304.201	304.388	6
7	---	---	---	303.901	304.103	304.858	304.854	304.684	304.351	304.183	304.200	304.395	7
8	---	---	---	303.908	304.106	304.883	304.857	304.671	304.331	304.182	304.201	304.408	8
9	---	---	---	303.912	304.124	304.872	304.851	304.648	304.323	304.182	304.208	304.418	9
10	304.000A	---	---	303.918	304.142	304.892	304.847	304.636	304.319	304.180	304.211	304.418	10
11	---	---	---	303.928	304.158	304.712	304.843	304.631	304.312	304.155	304.214	304.422	11
12	---	---	---	303.937	304.177	304.714	304.840	304.619	304.320	304.162	304.217	304.426	12
13	---	---	---	303.947	304.188	304.718A	304.840	304.606	304.314	304.158	304.220	304.420	13
14	---	---	---	303.952	304.202	304.731	304.889	304.601	304.313	304.144	304.228	304.423	14
15	---	---	---	303.954	304.217	304.741	304.859	304.593	304.308	304.139	304.235	304.429	15
16	---	---	---	303.951	304.235	304.782	304.888	304.590	304.307	304.175	304.252	304.434	16
17	---	---	---	303.958	304.257	304.759	304.889	304.572	304.290	304.180	304.281	304.433	17
18	---	---	---	303.973	304.282	304.785	304.871	304.565	304.273	304.183	304.282	304.435	18
19	---	---	---	303.983	304.255	304.777	304.856	304.562	304.281	304.182	304.288	304.439	19
20	---	---	---	303.984	304.271	304.779	304.850	304.551	304.246	304.147	304.273	304.445	20
21	---	---	---	303.989	304.312	304.789	304.850	304.528	304.234	304.158	304.281	304.448	21
22	---	---	---	304.000	304.318	304.813	304.841	304.518	304.270	304.180	304.288	304.454	22
23	---	---	---	304.004	304.332	304.832	304.825	304.522	304.253	304.185	304.291	304.454	23
24	---	---	---	304.005	304.345	304.840	304.820	304.515	304.237	304.185	304.298	304.455	24
25	---	---	---	304.012	304.377	304.855	304.814	304.510	304.232	304.158	304.299	304.455	25
26	---	---	---	303.999	304.392	304.856	304.800	304.503	304.236	304.172	304.305	304.453	26
27	---	---	303.917A	303.994	304.411	304.861	304.789	304.483	304.232	304.171	304.314	304.452	27
28	---	---	303.905	304.046	304.432	304.883	304.781	304.470	304.225	304.188	304.325	304.452	28
29	---	---	303.903	304.088	304.454	304.867	304.775	304.458	304.222	304.190	304.333	304.447	29
30	---		303.897	304.059	304.471	304.878	304.786	304.434	304.213	304.196	304.340	304.444	30
31	---		303.893		304.485		304.751	304.412		304.199		304.438	31
MEAN	---	---	---	303.958	304.243	304.734	304.837	304.587	304.287	304.171	304.251	304.422	MEAN
MAX	---	---	---	304.088	304.485	304.878	304.871	304.742	304.400	304.218	304.340	304.455	MAX
MIN	---	---	---	303.889	304.088	304.826	304.751	304.412	304.213	304.139	304.197	304.345	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 304.878 ON JUN 30
MINIMUM DAILY, 303.889 ON APR 2
MAXIMUM INSTANTANEOUS,
304.883 AT 17 19 CST ON JUN 30

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 02 30 N
LONG 95 27 30 W

A - MANUAL GAUGE

NATURAL FLOW

FISH LAKE AT OUTLET CONTROL STRUCTURE - STATION NO 05SB003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	259.304A	259.431E	259.583	259.558	259.638	259.616	259.478	259.475	259.570	---	1
2	---	---	---	259.438E	259.584	259.561	259.641	259.613	259.475	259.480	259.567	---	2
3	---	---	---	259.440E	259.586	259.558	259.643	259.607	259.477	259.473	259.569	---	3
4	---	---	---	259.447A	259.586	259.546	259.642	259.603	259.476	259.468	259.571	---	4
5	---	---	---	259.450	259.585	259.540	259.636	259.599	259.487	259.466	259.569	---	5
6	---	---	---	259.456	259.586	259.545	259.636	259.595	259.483	259.468	---	---	6
7	---	---	---	259.458	259.589	259.597	259.632	259.591	259.482	259.468	---	---	7
8	---	---	---	259.460	259.583	259.602	259.634	259.587	259.485	259.466	---	---	8
9	---	---	---	259.462	259.575	259.606	259.642	259.585	259.487	259.468	---	---	9
10	---	---	---	259.463	259.578	259.607	259.637	259.578	259.484	259.467	---	---	10
11	---	---	---	259.473	259.585	259.607	259.635	259.573	259.482	259.465	---	---	11
12	---	---	---	259.486	259.577	259.603	259.626	259.569	259.486	259.468	---	---	12
13	---	---	---	259.497	259.581	259.614	259.624	259.568	259.475	259.462	---	---	13
14	---	---	---	259.514	259.578	259.610	259.628	259.568	259.477	259.448A	---	---	14
15	---	---	---	259.517	259.580	259.601	259.626	259.560	259.475	259.452E	---	---	15
16	---	---	---	259.522	259.549	259.595	259.628	259.554	259.473	259.448E	---	---	16
17	---	---	---	259.526	259.565	259.597	259.628	259.554	259.470	259.451E	---	---	17
18	---	---	---	259.532	259.584	259.592	259.628	259.550	259.488	259.462E	---	---	18
19	---	---	---	259.536	259.549	259.583	259.618	259.544	259.484	259.478E	---	---	19
20	---	---	---	259.537	259.551	259.578	259.612	259.540	259.488	259.487E	---	---	20
21	---	---	---	259.535	259.586	259.582	259.607	259.537	259.485	259.508E	---	---	21
22	---	---	---	259.535	259.559	259.588	259.608	259.530	259.483	259.522E	---	---	22
23	---	---	---	259.536	259.554	259.626	259.602	259.526	259.488	259.538E	---	---	23
24	---	---	---	259.533	259.550	259.628	259.595	259.523	259.480	259.545A	---	---	24
25	---	---	---	259.536	259.553	259.631	259.603	259.517	259.480	259.544	---	---	25
26	---	---	---	259.530	259.555	259.639	259.618	259.517	259.482	259.548	---	---	26
27	---	---	---	259.544	259.549	259.641	259.613	259.512	259.481	259.556	---	---	27
28	---	---	---	259.575	259.551	259.640	259.608	259.508	259.481	259.555	---	---	28
29	---	---	---	259.576	259.544	259.641	259.602	259.488	259.478	259.555	---	---	29
30	---	---	---	259.578	259.542	259.641	259.611	259.498	259.477	259.558	---	---	30
31	---	---	---		259.550E		259.618	259.484		259.558		---	31
MEAN	---	---	---	259.504	259.567	259.599	259.623	259.565	259.473	259.485	---	---	MEAN
MAX	---	---	---	259.578	259.589	259.641	259.643	259.618	259.488	259.558	---	---	MAX
MIN	---	---	---	259.431	259.542	259.540	259.595	259.484	259.468	259.448	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 259.643 ON JUL 3

MAXIMUM INSTANTANEOUS,
259.650 AT 15:52 CST ON JUL 8

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 44 46 N
LONG 97 19 08 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1985

FISH LAKE DRAIN NEAR CAMP MORTON - STATION NO. 05SB005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.427B	0.020	0.001	0.003	0	0	0	---	---	1
2	---	---	0 B	0.471E	0.028	0.001	0.003	0	0	0	---	---	2
3	---	---	0 B	0.483A	0.034	0.001	0.002	0	0	0	---	---	3
4	---	---	0 B	0.414	0.033	0.001	0.001	0	0	0	---	---	4
5	---	---	0 B	0.338	0.032	0.001	0.001	0	0	0	---	---	5
6	---	---	0 B	0.318	0.027	0	0.001	0	0	0	---	---	6
7	---	---	0 B	0.208	0.020	0.007	0.001	0	0	0	---	---	7
8	---	---	0 B	0.188	0.015	0.078	0.001	0	0	0	---	---	8
9	---	---	0 B	0.105	0.011	0.081	0.001	0	0	0	---	---	9
10	---	---	0 B	0.062	0.009	0.041	0.001	0	0	0	---	---	10
11	---	---	0 B	0.040	0.008	0.027	0.001	0	0	0	---	---	11
12	---	---	0 B	0.037	0.006	0.020	0.001	0	0	0	---	---	12
13	---	---	0 B	0.032	0.006	0.020	0.001	0	0	0	---	---	13
14	---	---	0 B	0.021	0.006	0.017	0.001	0	0	0	---	---	14
15	---	---	0 B	0.014	0.004	0.018	0	0	0	0.029A	---	---	15
16	---	---	0 B	0.009	0.003	0.011	0	0	0	0.088	---	---	16
17	---	---	0 B	0.006	0.002	0.010	0	0	0	0.122	---	---	17
18	---	---	0 B	0.004	0.002	0.008	0	0	0	0.051	---	---	18
19	---	---	0 B	0.003	0.001	0.004	0	0	0	0.332	---	---	19
20	---	---	0 B	0.003	0.003	0.003	0	0	0	0.153	---	---	20
21	---	---	0 B	0.002	0.003	0.007	0	0	0	0.012	---	---	21
22	---	---	0 B	0.001	0.002	0.023	0	0	0	0.006	---	---	22
23	---	---	0 B	0	0.003	0.041	0	0	0	0.008	---	---	23
24	---	---	0 B	0	0.004	0.056	0	0	0	0.012	---	---	24
25	---	---	0 B	0	0.004	0.036	0	0	0	0.011	---	---	25
26	---	---	0 B	0	0.003	0.035	0	0	0	0.009B	---	---	26
27	---	---	0.040B	0.010	0.003	0.018	0	0	0	0 B	---	---	27
28	---	---	0.117B	0.037	0.002	0.012	0	0	0	0 B	---	---	28
29	---	---	0.228B	0.016	0.002	0.007	0	0	0	0 B	---	---	29
30	---		0.337B	0.026	0.001	0.004	0	0	0	0 B	---	---	30
31	---		0.376B		0		0	0		0 B		---	31
TOTAL	---	---	1.100	3.285	0.303	0.565	0.019	0	0	0.818	---	---	TOTAL
MEAN	---	---	0.035	0.110	0.010	0.019	0.001	0	0	0.026	---	---	MEAN
MAX	---	---	0.376	0.483	0.034	0.078	0.003	0	0	0.332	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.025
MAXIMUM DAILY, 0.483A ON APR 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.677 AT 20:00 CST ON APR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 11 N
LONG 97 01 03 W
DRAINAGE AREA, 632 km^2
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1965

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1.64
FEB	---	AUG	0
MAR	95.0	SEP	0
APR	284	OCT	70.6
MAY	26.2	NOV	---
JUN	48.8	DEC	---

TOTAL DISCHARGE, 526 dam^3

FISHER RIVER NEAR DALLAS - STATION NO 05SD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.084B	0.087B	0.162B	4.55 B	0.435	0.830	8.63 E	0.384	0.151	0.206	0.542	0.798B	1
2	0.083B	0.089B	0.158B	5.82 B	0.519	0.824	6.31 E	0.385	0.158	0.205	0.490	0.744B	2
3	0.083B	0.074B	0.156B	5.32 B	0.588	0.806	4.65 E	0.368	0.155	0.201	0.462	0.690B	3
4	0.112B	0.083B	0.155B	5.18 B	0.742	0.579	3.86 E	0.341	0.180	0.198	0.436	0.647B	4
5	0.116B	0.084B	0.154B	4.75	0.841	0.584	2.83 A	0.316	0.171	0.199	0.416	0.619B	5
6	0.126B	0.087B	0.136B	4.89	1.01	0.696	2.11	0.289	0.182	0.192	0.409	0.570B	6
7	0.132B	0.085B	0.126B	4.28	0.985	0.878	1.79	0.268	0.209	0.188	0.412	0.555B	7
8	0.134B	0.082B	0.120B	3.81	1.02	1.14	1.59	0.281	0.214	0.185	0.437	0.566B	8
9	0.125B	0.082B	0.115B	3.25	1.05	1.35	1.47	0.263	0.206	0.195	0.445	0.569B	9
10	0.119B	0.088B	0.114B	2.53	1.13	1.06	1.35	0.280	0.207	0.207	0.440	0.612B	10
11	0.111B	0.103B	0.116B	1.72	1.13	0.818	1.17	0.276	0.209	0.204	0.432	0.625B	11
12	0.102B	0.113B	0.116B	1.45	1.13	0.841	1.03	0.272	0.217	0.200	0.426	0.620B	12
13	0.087B	0.113B	0.113B	1.26	0.878	0.672	0.940	0.256	0.240	0.198	0.423	0.564B	13
14	0.087B	0.116B	0.111B	1.08	0.844	0.570	0.888	0.247	0.279	0.191	0.418	0.518B	14
15	0.088B	0.124B	0.111B	0.898	0.824	0.613	0.857	0.243	0.284	0.210	0.434B	0.487B	15
16	0.088B	0.124B	0.113B	0.689	0.705	0.494	0.854	0.245	0.284	0.433	0.433B	0.485B	16
17	0.088B	0.121B	0.111B	0.542	0.663	0.579	0.840	0.247	0.274	0.476	0.385B	0.470B	17
18	0.084B	0.121B	0.111B	0.448	0.586	5.28	0.800	0.289	0.217	0.473	0.387B	0.446B	18
19	0.088B	0.128B	0.112B	0.418	0.766	4.28	0.731	0.271	0.183	0.460	0.410B	0.438B	19
20	0.082B	0.126B	0.112B	0.379	0.862	2.20	0.667	0.235	0.184A	0.472	0.417B	0.436B	20
21	0.075B	0.126B	0.118B	0.364	0.774	1.67	0.613	0.220	0.179	0.557	0.462B	0.463B	21
22	0.074B	0.140B	0.127B	0.367	0.826	4.27	0.602	0.206	0.233	0.626	0.510B	0.462B	22
23	0.076B	0.138B	0.130B	0.337	0.822	27.0	0.578	0.201	0.239	0.633	0.540B	0.461B	23
24	0.074B	0.145B	0.180B	0.326	0.788	73.2 A	0.594A	0.191	0.234	0.628	0.581B	0.448B	24
25	0.080B	0.146B	0.187B	0.354	0.846	67.1 E	0.559	0.181	0.230	0.622	0.633B	0.426B	25
26	0.073B	0.146B	0.313B	0.335	0.832	64.5 E	0.507	0.188	0.227	0.618	0.746B	0.403B	26
27	0.074B	0.152B	0.408B	0.386	0.810	43.3 E	0.488	0.184	0.220	0.614	0.806B	0.385B	27
28	0.068B	0.152B	0.875B	0.482	0.766	32.7 E	0.446	0.184	0.216	0.608	0.808B	0.401B	28
29	0.068B	0.154B	1.04 B	0.490	0.758	22.8 E	0.425	0.179	0.214	0.604	0.805B	0.430B	29
30	0.067B		2.03 B	0.435	0.719	13.8 E	0.395	0.159	0.206	0.601	0.808B	0.444B	30
31	0.067B		3.42 B		0.647		0.383	0.158		0.590		0.442B	31
TOTAL	2.874	3.352	11.441	57.018	25.244	365.724	48.740	7.873	6.402	11.884	15.383	16.252	TOTAL
MEAN	0.093	0.116	0.369	1.90	0.814	12.2	1.57	0.254	0.213	0.387	0.513	0.524	MEAN
MAX	0.134	0.154	3.42	5.82	1.13	73.2	8.63	0.385	0.284	0.633	0.808	0.798	MAX
MIN	0.067	0.067	0.111	0.326	0.435	0.494	0.383	0.158	0.151	0.185	0.385	0.385	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.58
MAXIMUM DAILY, 73.2A ON JUN 24
MINIMUM DAILY, 0.067B ON JAN 30
MAXIMUM INSTANTANEOUS,
81.1A ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 20 N
LONG 97 30 50 W
DRAINAGE AREA, 1 680 km^2
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	248	JUL	4 210
FEB	290	AUG	680
MAR	988	SEP	553
APR	4 930	OCT	1 040
MAY	2 180	NOV	1 330
JUN	31 600	DEC	1 400

TOTAL DISCHARGE, 48 500 dam^3

FOOTPRINT LAKE AT NELSON HOUSE - STATION NO. 05YF001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	243.488	243.700	243.587	243.577	243.588	243.638	243.588	243.686	242.678	242.654	243.247	243.487	1
2	243.526	243.687	243.586	243.577	243.589	243.645	243.575	243.683	242.686	242.686	243.264	243.488	2
3	243.548	243.701	243.586	243.578	243.547	243.659	243.588	243.659	242.661	242.708	243.248	243.489	3
4	243.553	243.688	243.551	243.579	243.540	243.667	243.580	243.641	242.625	242.741	243.255	243.493	4
5	243.554	243.680	243.540	243.581	243.545	243.681	243.651	243.598	242.594	242.764	243.262	243.470	5
6	243.558	243.673	243.537	243.578	243.546	243.685	243.648	243.568	242.589A	242.769	243.273	243.458	6
7	243.578	243.667	243.534	243.574	243.540	243.672	243.644	243.510	242.531A	242.818	243.274	243.459	7
8	243.587	243.672	243.532	243.574	243.539	243.691	243.648	243.491	242.571	242.844	243.296	243.485	8
9	243.587	243.674	243.533	243.571	243.531	243.708	243.642	243.470	242.589	242.886	243.303	243.499	9
10	243.598	243.671	243.514	243.571	243.521	243.723	243.640	243.438	242.630	242.891	243.314	243.508	10
11	243.605	243.674	243.511	243.576	243.518	243.725	243.634	243.400	242.653	242.909	243.332	243.508	11
12	243.608	243.685	243.511	243.583	243.505	243.724	243.633	243.374	242.670	242.930	243.348	243.484	12
13	243.611	243.686	243.506	243.603	243.488	243.728	243.627	243.348	242.683	242.959	243.370	243.480	13
14	243.617	243.685	243.506	243.607	243.474	243.730	243.624	243.320	242.705	242.978	243.388	243.482	14
15	243.626	243.684	243.510	243.612	243.457	243.731	243.633	243.295	242.709	242.991	243.414	243.483	15
16	243.620	243.683	243.515	243.623	243.441	243.732	243.634	243.272	242.708	243.024	243.418	243.488	16
17	243.614	243.680	243.517	243.638	243.440	243.726	243.643	243.254	242.700	243.080	243.426	243.488	17
18	243.614	243.689	243.525	243.662	243.459	243.730	243.645	243.212	242.703	243.105	243.426	243.487	18
19	243.615	243.644	243.529	243.661	243.478	243.734	243.647	243.150	242.696	243.140	243.438	243.482	19
20	243.622	243.636	243.524	243.701	243.489	243.733	243.646	243.108	242.693	243.181	243.449	243.484	20
21	243.624	243.634	243.540	243.719	243.511	243.726	243.653	243.046	242.679	243.210	243.462	243.480	21
22	243.641	243.630	243.541	243.736	243.543	243.729	243.663	243.020	242.682	243.235	243.477	243.463	22
23	243.662	243.617	243.537	243.763	243.567	243.734	243.662	242.980	242.682	243.254	243.487	243.430	23
24	243.670	243.608	243.540	243.783	243.591	243.723	243.664	242.935	242.660	243.262	243.492	243.421	24
25	243.683	243.607	243.580	243.768	243.608	243.720	243.665	242.901	242.674	243.288	243.496	243.405	25
26	243.688	243.602	243.588	243.741	243.618	243.722	243.668	242.885	242.671	243.271	243.502	243.405	26
27	243.684	243.587	243.580	243.707	243.624	243.716	243.671	242.833	242.665	243.274	243.506	243.417	27
28	243.673	243.573	243.565	243.678	243.626	243.708	243.670	242.802	242.668	243.275	243.508	243.427	28
29	243.674	243.574	243.570	243.655	243.620	243.703	243.672	242.770	242.663	243.286	243.508	243.442	29
30	243.668		243.573	243.616	243.616	243.695	243.672	242.732	242.658	243.267	243.500	243.455	30
31	243.700		243.574		243.623		243.670	242.702		243.248		243.484	31
MEAN	243.617	243.650	243.539	243.640	243.541	243.706	243.654	243.228	242.657	243.027	243.388	243.483	MEAN
MAX	243.700	243.701	243.574	243.783	243.625	243.734	243.688	243.688	242.709	243.276	243.508	243.508	MAX
MIN	243.488	243.572	243.506	243.571	243.440	243.639	243.624	242.702	242.531	242.654	243.247	243.405	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 243.425
MAXIMUM DAILY, 243.783 ON APR 24
MINIMUM DAILY, 242.531A ON SEP 7
MAXIMUM INSTANTANEOUS,
243.790 AT 18:44 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 48 00 N
LONG 98 51 00 W

A - MANUAL GAUGE

REGULATED SINCE 1976

DRAINAGE AREA,
1 440 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

FOOTPRINT RIVER ABOVE FOOTPRINT LAKE - STATION NO. 05YF002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.618	1.00 B	0.7280	0.6260	7.25	7.30	3.24	1.83	1.13	1.27	2.19	2.86	1
2	1.588	0.9980	0.7210	0.6210	7.21	7.43	3.26	1.46	1.06	1.30	2.23	2.838	2
3	1.588	0.9740	0.7140	0.6160	7.43	7.47	3.24	1.40	1.04	1.36	2.33	2.788	3
4	1.548	0.9840	0.7070	0.6130	7.43	7.51	3.21	1.39	1.06	1.28	2.40	2.708	4
5	1.508	0.9550	0.6970	0.6110	7.46	7.73	3.09	1.37	1.02	1.15	2.40	2.678	5
6	1.478	0.9428	0.6908	0.6088	7.36	7.81	2.83	1.37	0.981	1.15	2.42	2.658	6
7	1.458	0.9308	0.6808	0.6258	7.35	7.87	2.88	1.48	1.00	1.18	2.46	2.618	7
8	1.448	0.9228	0.6718	0.6418	7.28	8.05	2.97	1.57	1.71	1.07	2.53	2.588	8
9	1.418	0.9148	0.6638	0.6648	7.30	7.28	2.53	1.81	1.58	1.05	2.58	2.618	9
10	1.398	0.9028	0.6518	0.6938	7.24	6.89	2.50	1.44	1.53	1.03	2.67	2.678	10
11	1.378	0.8908	0.6488	0.6518	7.08	7.15	2.44	1.38	1.53	1.03	2.68	2.638	11
12	1.358	0.8638	0.6388	0.7828	6.82	6.76	2.38	1.55	1.58	1.07	2.72	2.588	12
13	1.348	0.8708	0.6318	0.8748	6.78	6.67	2.34	1.48	1.61	1.05	2.77	2.558	13
14	1.338	0.8588	0.6288	1.18 B	6.68	6.30	2.32	1.41	1.58	1.03	2.80	2.528	14
15	1.308	0.8508	0.6198	1.47 B	6.28	6.04	2.13	1.42	1.55	1.03	3.04	2.388	15
16	1.288	0.8438	0.6138	1.84 B	6.38	6.40	2.05	1.38	1.48	1.40	3.08	2.268	16
17	1.268	0.8388	0.6088	2.35 B	6.53	6.24	1.98	1.32	1.48	1.41	3.08	2.218	17
18	1.248	0.8268	0.6028	2.87	6.67	6.15	1.88	1.30	1.55	1.58	3.08	2.188	18
19	1.218	0.8188	0.5988	3.44	6.53	6.01	1.84	1.27	1.52	1.72	3.08	2.188	19
20	1.208	0.8138	0.5938	4.27	6.48	5.74	1.78	1.22	1.54	1.80	3.04	2.118	20
21	1.188	0.8088	0.5908	4.98	7.11	5.61	1.86	1.55	1.54	1.88	3.08	2.078	21
22	1.178	0.7988	0.5848	5.52	7.18	5.61	1.87	1.34	1.87	1.89	3.08	2.048	22
23	1.188	0.7920	0.5818	5.35	7.80	5.33	1.88	1.35	1.88	1.93	3.08	2.028	23
24	1.138	0.7828	0.5702	5.88	8.08	4.84	1.80	1.38	1.45	1.87	3.08	1.988	24
25	1.118	0.7768	0.5618	7.35	8.32	4.68	1.89	1.42	1.47	1.98	3.11	1.888	25
26	1.088	0.7688	0.5568	7.48	8.28	4.78	1.88	1.38	1.47	2.05	3.10	1.938	26
27	1.078	0.7588	0.5508	7.75	8.18	4.38	1.73	1.33	1.44	2.06	3.09	1.818	27
28	1.088	0.7488	0.5448	7.88	7.88	3.88	1.72	1.37	1.40	2.07	3.08	1.878	28
29	1.048	0.7388	0.5358	7.38	7.84	3.68	1.75	1.05	1.38	2.06	3.05	1.848	29
30	1.038		0.5338	7.34	7.83	3.40	1.74	1.18	1.36	2.07	2.87	1.818	30
31	1.018		0.5308		7.88		1.83	1.21		2.08		1.788	31
TOTAL	38.88	24.948	19.328	83.495	225.88	184.84	70.48	43.81	43.131	47.15	84.50	70.82	TOTAL
MEAN	1.28	0.880	0.620	3.12	7.28	6.16	2.27	1.38	1.44	1.52	2.82	2.27	MEAN
MAX	1.81	1.00	0.738	7.89	8.28	8.05	3.26	1.81	1.97	2.08	3.11	2.88	MAX
MIN	1.01	0.738	0.530	0.808	6.28	3.40	1.83	1.05	0.981	1.03	2.18	1.78	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.58
MAXIMUM DAILY, 8.28 ON MAY 26
MINIMUM DAILY, 0.5088 ON APR 6
MAXIMUM INSTANTANEOUS,
8.61 AT 18:40 CST ON MAY 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 55 50 N
LONG 98 53 10 W
DRAINAGE AREA, 995 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	3 440	JUL	6 080
FEB	2 180	AUG	3 780
MAR	1 660	SEP	3 730
APR	8 080	OCT	4 070
MAY	19 500	NOV	7 300
JUN	16 000	DEC	6 080

TOTAL DISCHARGE, 81 800 dam³

FORK RIVER NEAR ETHELBERT - STATION NO. 05LJ015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	e e	0.3188	0.2988	0.898	2.04	0.068	0	0.393	---	---	1
2	---	---	e e	0.3318	0.2188	0.752	1.78	0.060	0	0.360	---	---	2
3	---	---	e e	0.4188	0.908	0.632	1.57	0.042	0	0.328	---	---	3
4	---	---	e e	0.2438	0.814	0.544	1.47	0.037	0	0.312	---	---	4
5	---	---	e e	0.2518	0.730	0.482	1.37	0.047	0	0.280	---	---	5
6	---	---	e e	0.198	0.718	0.474	1.28	0.101	0	0.235	---	---	6
7	---	---	e e	0.193	0.740	2.25	1.30	0.065	0.003	0.209	---	---	7
8	---	---	e e	0.218	0.882	2.88	1.28	0.044	0.003	0.176	---	---	8
9	---	---	e e	0.244	0.700	3.38	1.02	0.041	0	0.171	---	---	9
10	---	---	e e	0.291	0.928	2.84	0.824	0.039	0	0.178	---	---	10
11	---	---	e e	0.338	1.24	1.88	0.637	0.032	0	0.184	---	---	11
12	---	---	e e	0.488	1.38	1.44	0.525	0.027	0.002	0.262	---	---	12
13	---	---	e e	1.04	1.78	1.18	0.482	0.023	0.338	0.140	---	---	13
14	---	---	e e	1.14	1.87	0.888	0.575	0.027	0.084	0.117	---	---	14
15	---	---	e e	1.13	1.71	0.738	0.873	0.023	0.080	0.142	---	---	15
16	---	---	e e	1.18	1.48	0.872	0.528	0.027	0.080	1.22	---	---	16
17	---	---	e e	1.07	1.24	1.88	0.488	0.050	0.044	1.41	---	---	17
18	---	---	e e	0.847	1.18	3.28	0.342	0.031	0.038	1.31	---	---	18
19	---	---	e e	0.712	1.04	2.84	0.283	0.088	0.033	1.33	---	---	19
20	---	---	e e	0.581	1.09	5.81	0.218	0.081	0.030	1.87	---	---	20
21	---	---	e e	0.513	1.34	4.88	0.178	0.044	0.031	1.80	---	---	21
22	---	---	e e	0.408	1.20	4.18	0.147	0.048	0.184	1.73	---	---	22
23	---	---	e 0.0408	0.347	1.04	41.0	0.102	0.037	0.488	1.70	---	---	23
24	---	---	e 0.2908	0.283	1.77	22.3	0.084	0.038	0.518	1.85	---	---	24
25	---	---	e 0.8508	0.253	2.18	13.0	0.088	0.028	0.434	1.48	---	---	25
26	---	---	1 88 e	0.238	1.82	7.50	0.082	0.022	0.384	1.38	---	---	26
27	---	---	1 06 e	0.2888	1.77	5.30	0.055	0.007	0.332	1.35 e	---	---	27
28	---	---	e 0.6268	0.3678	1.85	4.07	0.048	0.006	0.261	1.31 e	---	---	28
29	---	---	e 0.3358	0.8588	1.45	2.98	0.060	0.002	0.330	0.8518	---	---	29
30	---		e 0.3418	0.8848	1.37	2.33	0.053	0	0.384	0.8278	---	---	30
31	---		e 0.2408		1.32		0.057	0		0.4088		---	31
TOTAL	---	---	5 444	14 116	38 278	143 226	19 388	1.107	3.811	25 517	---	---	TOTAL
MEAN	---	---	e 176	e 471	1 23	4 77	e 626	0.036	e 127	e 823	---	---	MEAN
MAX	---	---	1 88	1 18	2 18	41 e	3 04	e 101	e 518	1 97	---	---	MAX
MIN	---	---	e	e 856	e 298	e 474	e 048	e	e	e 117	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 02
MAXIMUM DAILY, 41 0 ON JUN 23
MINIMUM DAILY, 08 ON MAR 1
MAXIMUM INSTANTANEOUS,
66 6 AT 11 04 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 20 N
LONG 100 22 10 W
DRAINAGE AREA, 388 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 680
FEB	---	AUG	85 6
MAR	470	SEP	328
APR	1 230	OCT	2 200
MAY	3 310	NOV	---
JUN	12 400	DEC	---

TOTAL DISCHARGE, 21 700 dam³

GAINSBOROUGH CREEK NEAR LYLETON - STATION NO 05NF007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	0 0048	0 100	0 015	0	0	0	0	---	---	1
2	---	---	0 B	0 0098	0 081	0 002	0	0	0	0	---	---	2
3	---	---	0 B	0 0188	0 090	0 001	0	0	0	0	---	---	3
4	---	---	0 B	0 0218	0 095	0 001	0	0	0	0	---	---	4
5	---	---	0 B	0 0218	0 098	0 001	0	0	0	0	---	---	5
6	---	---	0 B	0 025	0 112	0 001	0	0	0	0	---	---	6
7	---	---	0 B	0 023	0 091	0 001	0	0	0	0	---	---	7
8	---	---	0 B	0 018	0 078	0 000	0	0	0	0	---	---	8
9	---	---	0 B	0 007	0 063	0 013	0	0	0	0	---	---	9
10	---	---	0 B	0 005	0 032	0 005	0	0	0	0	---	---	10
11	---	---	0 B	0 026	0 020	0 003	0	0	0	0	---	---	11
12	---	---	0 B	0 133	0 031	0 002	0	0	0	0	---	---	12
13	---	---	0 B	0 195	0 023	0 001	0	0	0	0	---	---	13
14	---	---	0 B	0 196	0 024	0	0	0	0	0	---	---	14
15	---	---	0 B	0 187	0 034	0	0	0	0	0	---	---	15
16	---	---	0 B	0 138	0 033	0	0	0	0	0	---	---	16
17	---	---	0 B	0 082	0 017	0	0	0	0	0	---	---	17
18	---	---	0 B	0 022	0 010	0	0	0	0	0	---	---	18
19	---	---	0 B	0 008	0 017	0	0	0	0	0	---	---	19
20	---	---	0 B	0 008	0 036	0	0	0	0	0	---	---	20
21	---	---	0 B	0 004	0 053	0	0	0	0	0	---	---	21
22	---	---	0 B	0 002	0 041	0	0	0	0	0	---	---	22
23	---	---	0 B	0 001	0 036	0	0	0	0	0	---	---	23
24	---	---	0 0078	0 001	0 043	0	0	0	0	0	---	---	24
25	---	---	0 1438	0 002	0 048	0	0	0	0	0	---	---	25
26	---	---	0 1148	0 002	0 047	0	0	0	0	0	---	---	26
27	---	---	0 0888	0 018	0 047	0	0	0	0	0	---	---	27
28	---	---	0 0518	0 017	0 045	0	0	0	0	0	---	---	28
29	---	---	0 0518	0 037	0 041	0	0	0	0	0	---	---	29
30	---		0 0348	0 133	0 033	0	0	0	0	0	---	---	30
31	---		0 0148		0 024		0	0		0		---	31
TOTAL	---	---	0 893	1 312	1 046	0 055	0	0	0	0	---	---	TOTAL
MEAN	---	---	0 018	0 044	0 050	0 002	0	0	0	0	---	---	MEAN
MAX	---	---	0 142	0 196	0 113	0 015	0	0	0	0	---	---	MAX
MIN	---	---	0	0 001	0 010	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 034
MAXIMUM DAILY, 0 196 ON APR 14
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
0 218 AT 20 18 CST ON APR 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 45 N
LONG 101 11 00 W
DRAINAGE AREA, 1 130 km²

B - ICE CONDITIONS

REGULATED SINCE 1982

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	51 1	SEP	0
APR	113	OCT	0
MAY	134	NOV	---
JUN	4 76	DEC	---

TOTAL DISCHARGE, 303 dam³

GARLAND RIVER NEAR DUCK RIVER - STATION NO. 08LG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0208	0.860B	0.400E	1.88 A	3.80	0.016	0	0.084	---	---	1
2	---	---	0.0188	1.11 B	0.882A	1.35 E	2.84	0.010	0	0.076	---	---	2
3	---	---	0.0188	1.18 B	1.27 E	1.04 E	1.81	0.007	0	0.087	---	---	3
4	---	---	0.0168	1.35 B	1.86 A	0.798A	1.38	0.004	0	0.081	---	---	4
5	---	---	0.0188	1.84 B	2.09 E	0.670E	0.819	0.009	0	0.138	---	---	5
6	---	---	0.0188	1.70 B	1.70 E	0.488A	0.868	0.008	0	0.158	---	---	6
7	---	---	0.0178	2.08 B	1.07 A	0.838A	0.848	0.004	0	0.187	---	---	7
8	---	---	0.0178	3.08 B	1.36 A	2.18 A	0.807	0.004	0	0.180	---	---	8
9	---	---	0.0188	2.85 A	1.13 A	5.50 E	0.333	0.001	0	0.149	---	---	9
10	---	---	0.0188	2.38 E	1.13 E	4.77 E	0.247	0	0	0.148	---	---	10
11	---	---	0.0188	1.78 A	1.13 A	4.35 A	0.205	0	0	0.207	---	---	11
12	---	---	0.0188	1.70 E	1.38 E	3.87 E	0.170	0	0	0.181	---	---	12
13	---	---	0.0188	1.81 A	1.61 E	2.82 A	0.138	0	0	0.148	---	---	13
14	---	---	0.0198	1.82 E	1.78 A	1.98 E	0.128	0	0	0.147	---	---	14
15	---	---	0.0148	1.43 E	1.74 E	1.31 A	0.108	0	0	0.178	---	---	15
16	---	---	0.0138	1.18 A	1.71 A	1.18 E	0.100	0	0.028	0.798	---	---	16
17	---	---	0.0138	1.03 A	1.43 E	1.04 E	0.109	0	0.127	0.717	---	---	17
18	---	---	0.0138	0.841A	1.28 A	0.927A	0.104	0	0.081	1.85	---	---	18
19	---	---	0.0128	0.700E	1.27 E	0.860E	0.084	0	0.062	1.05	---	---	19
20	---	---	0.0118	0.670E	1.35 E	2.92 A	0.078	0	0.050	0.802	---	---	20
21	---	---	0.0118	0.610A	1.52 E	4.88	0.077	0	0.047	0.717	---	---	21
22	---	---	0.0118	0.350E	1.38 A	8.83	0.078	0	0.063	0.620	---	---	22
23	---	---	0.0108	0.310E	1.78 A	10.4	0.081	0	0.134	0.661	---	---	23
24	---	---	0.2208	0.296A	2.38 E	24.4	0.081	0	0.239	0.518	---	---	24
25	---	---	1.11 B	0.240A	3.86 A	34.0	0.043	0	0.382	0.430	---	---	25
26	---	---	1.04 B	0.235E	4.23 E	27.8	0.027	0	0.246	0.382	---	---	26
27	---	---	0.927B	0.230A	4.28 E	19.8	0.023	0	0.178	0.342	---	---	27
28	---	---	0.772B	0.226E	3.98 A	15.0	0.023	0	0.152	0.3228	---	---	28
29	---	---	0.700E	0.226E	3.57 E	9.87	0.021	0	0.137	0.2598	---	---	29
30	---	---	0.8248	0.223A	2.85 A	5.86	0.018	0	0.082	0.2188	---	---	30
31	---	---	0.860B		2.08 E		0.017	0		0.1888	---	---	31
TOTAL	---	---	7.008	33.498	58.562	188.416	14.328	0.081	2.037	11.806	---	---	TOTAL
MEAN	---	---	0.226	1.12	1.82	6.61	0.462	0.002	0.068	0.381	---	---	MEAN
MAX	---	---	1.11	3.08	4.28	34.0	3.80	0.016	0.382	1.85	---	---	MAX
MIN	---	---	0.010	0.223	0.400	0.486	0.017	0	0	0.081	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.33
MAXIMUM DAILY, 34.0 ON JUN 25
MINIMUM DAILY, 0 ON AUG 10
MAXIMUM INSTANTANEOUS,
35.5 AT 09:25 CST ON JUN 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 08 N
LONG 100 14 56 W
DRAINAGE AREA, 438 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 240
FEB	---	AUG	5 27
MAR	806	SEP	178
APR	2 890	OCT	1 020
MAY	5 150	NOV	---
JUN	17 100	DEC	---

TOTAL DISCHARGE, 28 200 dam³

CAUER RIVER BELOW THORSTEINSON LAKE - STATION NO 05FA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	32.0B	23.8B	16.8B	11.8 B	82.3	90.2	63.0	28.8	26.4	19.8	12.0B	11.1B	1
2	31.6B	23.5B	16.6B	11.8 B	78.8	86.8	60.6	28.5	24.6	19.1	11.8B	11.0B	2
3	31.5B	23.3B	16.6B	11.4 B	76.3	87.8	59.0A	28.6	23.3	18.6	11.8B	11.0B	3
4	31.3B	23.3B	16.3B	11.3 B	74.6	90.1	57.2E	28.5	23.1	20.4	11.6B	10.8B	4
5	31.0B	23.1B	16.1B	11.1 B	73.7	89.6	54.7E	28.5	23.4	20.8	11.7B	10.8B	5
6	30.8B	22.8B	15.9B	11.0 B	73.0	88.1	54.0E	24.0	23.4	18.6	11.6B	10.8B	6
7	30.6B	22.5B	15.8B	10.9 B	70.2	83.6	51.0E	24.2	18.6	21.7	11.6B	11.0B	7
8	30.3B	22.2B	15.5B	10.8 B	71.6	78.7	50.1E	23.3	17.1	21.4	11.6B	11.0B	8
9	29.8B	21.9B	15.2B	10.7 B	71.3	82.1	49.0A	22.7	17.8	21.1	11.5B	11.0B	9
10	29.5B	21.6B	15.1B	10.5 B	70.8	83.8	48.9	26.4	18.0	20.8	11.5B	11.0E	10
11	29.4B	21.3B	14.9B	10.4 B	70.7	81.0	50.6	24.1	18.3	20.6	11.4B	11.1B	11
12	29.3B	21.2B	14.8B	10.3 B	70.8	83.0	49.5	23.0	18.8	20.8	11.4B	11.1B	12
13	29.2B	21.1B	14.4B	10.2 B	71.0	83.6	48.2	23.8	17.7	21.6	11.4B	11.1B	13
14	28.7B	20.7B	14.3B	10.2 B	71.2	84.6	48.7	19.8	17.8	21.6	11.4B	11.1B	14
15	28.5B	20.3B	14.2B	10.0 B	70.8	82.1	44.1	20.3	18.9	19.4	11.4B	11.1B	15
16	28.2B	20.1B	14.0B	9.87B	71.3	78.7	43.8	21.3	20.7	18.9	11.3B	11.1B	16
17	27.8B	19.8B	13.7B	9.84B	72.3	77.8	43.1	20.3	20.2	18.7	11.3B	11.1B	17
18	27.5B	19.7B	13.5B	12.1 B	75.5	78.9	40.2	20.3	18.8	18.3B	11.2B	11.2B	18
19	27.3B	19.5B	13.3B	35.9 B	83.0	76.7	39.7	20.5	18.3	14.7B	11.2B	11.2B	19
20	27.0B	19.2B	13.2B	60.4	88.1	78.3	43.8	23.5	18.8	14.3B	11.2B	11.3B	20
21	26.8B	19.1B	13.1B	65.2	89.8	72.8	42.3	19.1	18.7	13.7B	11.2B	11.3B	21
22	26.7B	18.8B	13.0B	66.0	91.4	68.6	38.3	25.2	18.2	13.4B	11.1B	11.4B	22
23	26.3B	18.4B	12.8B	90.4	93.2	67.1	37.4	26.3	14.7	13.1B	11.1B	11.4B	23
24	25.9B	18.2B	12.6B	90.7	95.6	70.0	37.0	26.2	17.8	12.8B	11.1B	11.4B	24
25	25.6B	18.0B	12.5B	88.9	96.0	70.4	36.2	25.9	18.4	12.8B	11.1B	11.4B	25
26	25.6B	17.9B	12.4B	86.0	96.8	68.0	35.8	25.7	18.3	12.6B	11.1B	11.4B	26
27	25.2B	17.8B	12.2B	83.9	96.7	68.1	36.3	25.4	18.1	12.5B	11.1B	11.5B	27
28	24.9B	17.3B	12.1B	82.0	97.3	67.8	34.2	24.6	20.7	12.4B	11.1B	11.5B	28
29	24.6B	17.1B	11.9B	84.5	96.1	66.4	33.6	27.0	19.6	12.2B	11.1B	11.6B	29
30	24.5B		11.8B	85.4	92.8	65.4	30.6	19.0	20.6	12.2B	11.1B	11.6B	30
31	24.3B		11.7B		91.6		29.6	21.6		12.1B		11.7B	31
TOTAL	872.3	593.8	436.5	1 176.61	2 526.1	2 349.4	1 386.5	748.7	584.8	523.4	341.6	347.4	TOTAL
MEAN	28.1	20.6	14.1	38.2	81.5	78.3	44.7	24.1	19.5	16.9	11.4	11.2	MEAN
MAX	32.0	23.8	16.8	90.7	97.3	90.2	63.0	28.8	26.4	21.7	12.0	11.7	MAX
MIN	24.3	17.1	11.7	9.87	70.2	65.4	29.6	19.0	14.7	12.1	11.1	10.8	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 32.6
MAXIMUM DAILY, 97.3 ON MAY 26
MINIMUM DAILY, 9.87B ON APR 16
MAXIMUM INSTANTANEOUS,
97.3 AT 17:40 CST ON MAY 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 00 N
LONG 97 35 52 W
DRAINAGE AREA, 5 880 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	75 400	JUL	130 000
FEB	51 300	AUG	64 500
MAR	37 700	SEP	50 500
APR	102 000	OCT	45 200
MAY	216 000	NOV	33 500
JUN	303 000	DEC	30 000

TOTAL DISCHARGE, 1 030 000 dam³

CINDY CREEK NEAR CARTWRIGHT - STATION NO. 05BA015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 555	0 035	0.036	0.004	---	---	---	---	---	1
2	---	---	0 B	0.438	0.045	0.030	0 003	---	---	---	---	---	2
3	---	---	0 B	0.382	0 152	0.027	0.001	---	---	---	---	---	3
4	---	---	0 B	0.334	0.218	0.024	0	---	---	---	---	---	4
5	---	---	0 B	0.298	0.774	0 023	0	---	---	---	---	---	5
6	---	---	0 B	0.271	0.494	0.022	0	---	---	---	---	---	6
7	---	---	0 B	0 253	0.803	0.020	0	---	---	---	---	---	7
8	---	---	0 B	0 228	0 858	0.027	0 001	---	---	---	---	---	8
9	---	---	0 B	0.207	0.708	0.028	0	---	---	---	---	---	9
10	---	---	0 B	0 195	0.678	0 028	0	---	---	---	---	---	10
11	---	---	0 B	0 204	0 908	0 023	---	---	---	---	---	---	11
12	---	---	0 B	0 263	0 646	0.021	---	---	---	---	---	---	12
13	---	---	0 B	0 285	0 500	0.018	---	---	---	---	---	---	13
14	---	---	0 B	0 505	0.388	0.015	---	---	---	---	---	---	14
15	---	---	0 B	0 580	0.318	0.013	---	---	---	---	---	---	15
16	---	---	0 B	0 405	0 288	0 013	---	---	---	---	---	---	16
17	---	---	0 B	0 306	0 258	0 010	---	---	---	---	---	---	17
18	---	---	0 B	0 247	0 180	0 009	---	---	---	---	---	---	18
19	---	---	0 B	0 208	0 122	0 008	---	---	---	---	---	---	19
20	---	---	0 B	0 178	0 111	0 007	---	---	---	---	---	---	20
21	---	---	0 0028	0 153	0 116	0 007	---	---	---	---	---	---	21
22	---	---	0 0108	0 138	0.107	0 007	---	---	---	---	---	---	22
23	---	---	0.2008	0 122	0 100	0 006	---	---	---	---	---	---	23
24	---	---	0 8008	0 114	0 087	0 004	---	---	---	---	---	---	24
25	---	---	0 8008	0 101	0 072	0 004	---	---	---	---	---	---	25
26	---	---	1 46 B	0 090	0 068	0 007	---	---	---	---	---	---	26
27	---	---	0 9888	0 081	0 065	0 004	---	---	---	---	---	---	27
28	---	---	0.9488	0 084	0 062	0 006	---	---	---	---	---	---	28
29	---	---	1 05 B	0 050	0 057	0 004	---	---	---	---	---	---	29
30	---		0 772	0 037	0 051	0 003	---	---	---	---	---	---	30
31	---		0 715		0.044		---	---		---		---	31
TOTAL	---	---	7.942	7.252	9 434	0 462	---	---	---	---	---	---	TOTAL
MEAN	---	---	0 243	0 242	0 304	0 015	---	---	---	---	---	---	MEAN
MAX	---	---	1 46	0 580	0 808	0 038	---	---	---	---	---	---	MAX
MIN	---	---	0	0 037	0 035	0 003	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 203
MAXIMUM DAILY, 1 488 ON MAR 26
MINIMUM DAILY, 0E 3N MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 04 40 N
LONG 99 21 00 W
DRAINAGE AREA, 220 km²

B ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	852	SEP	---
APR	627	OCT	---
MAY	815	NOV	---
JUN	39 9	DEC	---

TOTAL DISCHARGE, 2 130 dam³

GLENELLA DRAIN NEAR GLENELLA - STATION NO. 05LL025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 3098	0 086	0 088	0 483	0 003	0	0	---	---	1
2	---	---	0 B	0 2128	0 055	0 084	0 398		0	0	---	---	2
3	---	---	0 B	0 182	0 156	0 084	0 327		0	0	---	---	3
4	---	---	0 B	0 210	0 200	0 029	0 276		0	0	---	---	4
5	---	---	0 B	0 235	0 460	0 020	0 250		0	0	---	---	5
6	---	---	0 B	0 286	0 786	0 018	0 215		0	0	---	---	6
7	---	---	0 B	0 353	0 871	0 083	0 203		0	0	---	---	7
8	---	---	0 B	0 488	1 03	0 111	0 185		0	0	---	---	8
9	---	---	0 B	0 569	1 38	0 307	0 168		0	0	---	---	9
10	---	---	0 B	0 528	1 37	0 293	0 131		0	0	---	---	10
11	---	---	0 B	0 526	1 17	0 244	0 108		0	0	---	---	11
12	---	---	0 B	0 814	0 949	0 208	0 080		0	0	---	---	12
13	---	---	0 B	1 26	0 782	0 178	0 051		0	0	---	---	13
14	---	---	0 B	1 07	0 767	0 155	0 038		0	0	---	---	14
15	---	---	0 B	0 761	0 804	0 147	0 035		0	0 088	---	---	15
16	---	---	0 B	0 583	0 682	0 117	0 031		0	0 188	---	---	16
17	---	---	0 B	0 478	0 626	0 103	0 029		0	0 041	---	---	17
18	---	---	0 B	0 481	0 380	0 145	0 024		0	0 010	---	---	18
19	---	---	0 B	0 410	0 314	0 126	0 022		0	0 117	---	---	19
20	---	---	0 B	0 324	0 308	0 187	0 019		0	0 215	---	---	20
21	---	---	0 0028	0 284	0 314	0 140	0 019		0	0 393	---	---	21
22	---	---	0 0068	0 268	0 311	1 85	0 017		0	0 508	---	---	22
23	---	---	0 0188	0 255	0 288	4 78	0 015		0	0 481	---	---	23
24	---	---	0 0338	0 238	0 242	4 62	0 018		0	0 402	---	---	24
25	---	---	0 0708	0 230	0 286	3 18	0 012		0	0 358	---	---	25
26	---	---	0 0188	0 204	0 284	1 88	0 011		0	0 353	---	---	26
27	---	---	0 1748	0 1058	0 228	1 34	0 014		0	0 342	---	---	27
28	---	---	0 3308	0 B	0 181	0 887	0 022		0	0 3178	---	---	28
29	---	---	0 3868	0 0488	0 187	0 720	0 087		0	0 2438	---	---	29
30	---		0 4888	0 0708	0 288	0 572	0 048		0	0 1818	---	---	30
31	---		0 4408		0 203		0 020			0 1408		---	31
TOTAL	---	---	1.834	11 808	15.256	22 804	3 351	0 003	0	4 324	---	---	TOTAL
MEAN	---	---	0 082	0 387	0 492	0 783	0 108	0	0	0 139	---	---	MEAN
MAX	---	---	0 488	1 26	1 38	4 82	0 483	0 003	0	0 508	---	---	MAX
MIN	---	---	0	0	0 055	0 018	0 011	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 242
MAXIMUM DAILY, 4.82 ON JUN 24
MINIMUM DAILY, 0E 0N MAR 1
MAXIMUM INSTANTANEOUS,
5 42 AT 18:31 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 33 37 N
LONG 99 08 23 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	290
FEB	---	AUG	0 25
MAR	187	SEP	0
APR	1 000	OCT	374
MAY	1 330	NOV	---
JUN	1 980	DEC	---

TOTAL DISCHARGE, 5 130 dam³

GODS LAKE AT OUTLET OF GODS LAKE - STATION NO. 04AC005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	178.784	178.882	178.808	178.498	178.485	178.584	178.711	178.778	178.693	178.603	178.484	178.448	1
2	178.784	178.887	178.809	178.495	178.481	178.584	178.718	178.788	178.680	178.588	178.486	178.445	2
3	178.788	178.886	178.811	178.488	178.471	178.584	178.727	178.784	178.684	178.581	178.478	178.447	3
4	178.787	178.887	178.801	178.485	178.474	178.588	178.722	178.778	178.678	178.577	178.482	178.438	4
5	178.782	178.880	178.888	178.481	178.471	178.598	178.724	178.778	178.678	178.580	178.478	178.442	5
6	178.777	178.890	178.888	178.488	178.483	178.603	178.728	178.778	178.677	178.578	178.481	178.442	6
7	178.776	178.886	178.888	178.488	178.483	178.595	178.743	178.788	178.668	178.570	178.468	178.448	7
8	178.774	178.883	178.877	178.483	178.504	178.581	178.754	178.778	178.644	178.571	178.485	178.428	8
9	178.770	178.883	178.878	178.483	178.504	178.610	178.758	178.762	178.688	178.571	178.484	178.426	9
10	178.788	178.878	178.878	178.482	178.488	178.627	178.760	178.781	178.678	178.588	178.483	178.426	10
11	178.788	178.872	178.873	178.488	178.488	178.621	178.758	178.787	178.678	178.583	178.483	178.420	11
12	178.763	178.874	178.872	178.488	178.487	178.618	178.760	178.778	178.673	178.580	178.448	178.428	12
13	178.761	178.869	178.880	178.483	178.512	178.618	178.758	178.772	178.670	178.583	178.462	178.421	13
14	178.760	178.856	178.883	178.448	178.517	178.627	178.762	178.778	178.670	178.585	178.428	178.417	14
15	178.767	178.862	178.889	178.462	178.508	178.626	178.768	178.780	178.670	178.583	178.481	178.418	15
16	178.762	178.873	178.880	178.458	178.511	178.623	178.768	178.771	178.686	178.559	178.483	178.411	16
17	178.742	178.886	178.883	178.444	178.532	178.617	178.774	178.784	178.682	178.531	178.467	178.410	17
18	178.733	178.880	178.883	178.448	178.535	178.636	178.778	178.788	178.667	178.535	178.458	178.405	18
19	178.718	178.886	178.882	178.444	178.533	178.643	178.778	178.780	178.647	178.533	178.447	178.402	19
20	178.720	178.886	178.849	178.446	178.530	178.637	178.778	178.778	178.641	178.584	178.451	178.399	20
21	178.732	178.884	178.838	178.441	178.540	178.644	178.783	178.724	178.617	178.524	178.442	178.406	21
22	178.732	178.841	178.829	178.453	178.548	178.651	178.778	178.734	178.588	178.528	178.429	178.403	22
23	178.723	178.840	178.828	178.481	178.557	178.662	178.774	178.784	178.614	178.511	178.441	178.404	23
24	178.733	178.840	178.829	178.450	178.564	178.675	178.776	178.741	178.632	178.505	178.447	178.405	24
25	178.736	178.820	178.821	178.464	178.552	178.688	178.774	178.732	178.628	178.514	178.434	178.405	25
26	178.724	178.837	178.818	178.452	178.564	178.688	178.777	178.742	178.618	178.529	178.437	178.403	26
27	178.723	178.830	178.808	178.450	178.557	178.695	178.777	178.748	178.608	178.501	178.435	178.400	27
28	178.724	178.808	178.814	178.458	178.558	178.705	178.743	178.808	178.481	178.459	178.398	28
29	178.718	178.805	178.800	178.478	178.567	178.707	178.783	178.742	178.612	178.452	178.458	178.384	29
30	178.722		178.807	178.487	178.588	178.711	178.777	178.722	178.800	178.488	178.451	178.383	30
31	178.711		178.801		178.570		178.778	178.705		178.470		178.381	31
MEAN	178.750	178.852	178.885	178.482	178.518	178.638	178.780	178.780	178.650	178.544	178.454	178.418	MEAN
MAX	178.788	178.897	178.811	178.498	178.570	178.711	178.785	178.787	178.693	178.603	178.488	178.448	MAX
MIN	178.711	178.805	178.800	178.441	178.455	178.584	178.711	178.705	178.568	178.470	178.429	178.381	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 178.698
MAXIMUM DAILY, 178.788 ON JAN 3
MINIMUM DAILY, 178.381 ON DEC 31
MAXIMUM INSTANTANEOUS,
178.803 AT 13 55 CST ON JAN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 48 47 N
LONG 94 05 00 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1980 ADJ.)
APPLY -.001 780 m ADJUSTMENT TO CONVERT TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

GODS RIVER AT OUTLET OF GODS LAKE - STATION NO. 04AC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1488	1328	1228	1178	118	132	148	158	147	135	118	1108	1
2	1488	1318	1218	1178	118	134	150	159	148	133	121	1108	2
3	1478	1318	1218	1178	118	134	151	159	148	132	120	1108	3
4	1478	1308	1218	1178	120	134	150	158	145	132	120	1098	4
5	1468	1308	1218	1178	118	134	151	158	145	132	120	1098	5
6	1468	1308	1208	1178	118	135	152	158	145	131	118	1098	6
7	1458	1298	1208	1178	122	134	153	158	142	131	117	1088	7
8	1448	1298	1208	1168	123	133	155	158	140	131	118	1088	8
9	1448	1288	1208	1168	123	136	155	156	143	131	118	1088	9
10	1438	1288	1208	1168	121	136	155	158	145	130	118	1078	10
11	1438	1278	1198	1168	121	137	155	159	145	130	118	1078	11
12	1428	1278	1198	1168	121	137	155	158	144	128	118	1078	12
13	1428	1278	1188	1168	124	137	155	157	144	130	118	1068	13
14	1418	1268	1188	1168	124	138	153	158	144	130	118	1068	14
15	1418	1268	1188	1168	123	138	155	155	144	128	1188	1068	15
16	1408	1268	1188	1168	124	138	158	157	143	129	1188	1068	16
17	1388	1258	1188	118	126	137	157	158	143	128	1188	1068	17
18	1388	1258	1188	117	126	139	158	158	142	126	1188	1068	18
19	1388	1258	1188	118	126	140	158	156	141	128	1148	1068	19
20	1388	1248	1188	117	126	138	158	157	140	128	1148	1048	20
21	1378	1248	1148	118	127	140	159	161	137	125	1148	1048	21
22	1378	1248	1148	117	128	141	158	162	130	128	1138	1048	22
23	1388	1238	1148	118	129	143	157	165	138	124	1138	1038	23
24	1388	1238	1148	117	128	144	157	163	139	123	1138	1038	24
25	1388	1238	1178	118	128	145	157	162	138	124	1128	1038	25
26	1388	1238	1178	117	127	147	158	163	137	126	1128	1038	26
27	1368	1228	1178	117	128	147	158	164	138	123	1128	1028	27
28	1368	1228	1178	118	130	147	158	163	138	122	1118	1028	28
29	1338	1228	1178	120	130	148	158	163	138	122	1118	1028	29
30	1338		1178	118	130	149	158	160	138	122	1118	1028	30
31	1328		1178		131		158	148		118		1018	31
TOTAL	4 344	3 882	3 884	3 505	3 880	4 178	4 818	4 818	4 233	3 957	3 487	3 273	TOTAL
MEAN	140	138	118	117	125	139	155	155	141	128	116	106	MEAN
MAX	148	133	122	120	131	149	159	159	147	135	121	110	MAX
MIN	132	123	117	118	118	132	149	148	130	118	111	101	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 131
MAXIMUM DAILY, 159 ON JUL 21
MINIMUM DAILY, 1018 ON DEC 31
MAXIMUM INSTANTANEOUS,
159 AT 04 30 CST ON JUL 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 50 14 N
LONG 94 05 11 W
DRAINAGE AREA, 25 500 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	375 000	JUL	415 000
FEB	316 000	AUG	415 000
MAR	318 000	SEP	365 000
APR	303 000	OCT	342 000
MAY	334 000	NOV	300 000
JUN	361 000	DEC	283 000

TOTAL DISCHARGE, 4 130 000 dam³

GODS RIVER NEAR SHAMATTAWA - STATION NO. 04AD002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2770	2380	2080	1780	635	572	649	401	278	402	3180	2480	1
2	2760	2380	2080	1730	700	587	777	387	284	410	3130	2440	2
3	2730	2370	2040	1720	710	556	727	388	281	410	3080	2440	3
4	2730	2380	2030	1710	687	717	706	378	288	401	3030	2440	4
5	2680	2380	2020	1700	659	731	682	382	291	397	3000	2420	5
6	2680	2340	2010	1700	648	713	651	380	248	397	2950	2420	6
7	2660	2320	2000	1690	647	680	618	340	246	387	2930	2380	7
8	2670	2310	1980	1700	781	667	588	336	263	382	2880	2360	8
9	2650	2300	1980	1740	818	687	575	362	311	382	2830	2370	9
10	2640	2290	1970	1760	973	682	553	368	388	385	2800	2370	10
11	2620	2260	1980	1800	881	677	544	386	442	381	2780	2380	11
12	2620	2270	1960	1940	836	668	528	382	448	378	2760	2360	12
13	2610	2260	1940	2710	868	623	505	382	453	388	2730	2350	13
14	2600	2260	1930	4350	856	607	483	385	457	432	2710	2350	14
15	2580	2230	1920	5980	814	587	459	380	462	452	2680	2320	15
16	2570	2220	1910	6610	773	583	481	360	458	457	2660	2320	16
17	2560	2210	1900	7720	734	567	485	337	456	442	2630	2300	17
18	2550	2200	1880	8700	715	528	485	330	445	442	2630	2300	18
19	2540	2190	1880	9520	706	518	456	316	436	441	2620	2260	19
20	2520	2170	1870	1 0100	694	508	455	313	423	441	2610	2250	20
21	2510	2160	1850	1 0200	673	492	437	307	404	426	2580	2260	21
22	2500	2150	1850	9980	693	486	438	301	387	411	2560	2260	22
23	2500	2140	1840	858	711	517	432	288	388	403	2560	2230	23
24	2480	2130	1830	814	705	709	432	288	386	394	2530	2210	24
25	2470	2120	1820	878	698	908	423	282	395	371	2530	2210	25
26	2460	2110	1810	840	880	893	413	289	400	3580	2510	2210	26
27	2450	2100	1780	755	854	1 030	404	284	402	3510	2510	2190	27
28	2440	2090	1780	726	838	1 010	402	280	404	3460	2490	2190	28
29	2430	2070	1780	677	821	983	400	281	400	3380	2490	2160	29
30	2410		1770	639	802	911	404	275	398	3310	2460	2160	30
31	2400		1760		588		410	282		3260		2160	31
TOTAL	7 981	6 475	5 818	16 089	22 687	20 556	16 139	10 224	11 215	12 263	8 183	7 164	TOTAL
MEAN	257	223	191	537	731	685	521	330	374	396	273	231	MEAN
MAX	277	238	206	1 020	973	1 030	649	401	453	457	318	246	MAX
MIN	240	207	175	169	588	488	400	275	245	328	246	216	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 396
MAXIMUM DAILY, 1 030 ON JUN 27
MINIMUM DAILY, 1690 ON APR 7
MAXIMUM INSTANTANEOUS,
1 030 AT 07:10 CST ON JUN 27

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 51 00 N
LONG 92 05 55 W
DRAINAGE AREA, 65 500 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	880 000	JUL 1 390 000	
FEB	559 000	AUG 863 000	
MAR	511 000	SEP 955 000	
APR 1 390 000		OCT 1 080 000	
MAY 1 980 000		NOV 707 000	
JUN 1 780 000		DEC 618 000	

TOTAL DISCHARGE, 12 800 000 dam³

COPHER CREEK NEAR GLADSTONE - STATION NO 05LL024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0 B	0	---	---	---	---	---	---	1
2	---	---	0 B	0.0018	0 B	0	---	---	---	---	---	---	2
3	---	---	0 B	0.0018	0.0368	0	---	---	---	---	---	---	3
4	---	---	0 B	0 B	0.0268	0	---	---	---	---	---	---	4
5	---	---	0 B	0.001	0.0158	0	---	---	---	---	---	---	5
6	---	---	0 B	0.001	0.0268	0	---	---	---	---	---	---	6
7	---	---	0 B	0.002	0.0158	0.003	---	---	---	---	---	---	7
8	---	---	0 B	0.001	0.018	0.002	---	---	---	---	---	---	8
9	---	---	0 B	0.001	0.013	0.002	---	---	---	---	---	---	9
10	---	---	0 B	0.001	0.011	0.001	---	---	---	---	---	---	10
11	---	---	0 B	0.001	0.009	0	---	---	---	---	---	---	11
12	---	---	0 B	0.008	0.010	0	---	---	---	---	---	---	12
13	---	---	0 B	0.007	0.015	0	---	---	---	---	---	---	13
14	---	---	0 B	0.006	0.018	0	---	---	---	---	---	---	14
15	---	---	0 B	0.003	0.013	0	---	---	---	---	---	---	15
16	---	---	0 B	0.003	0.010	0	---	---	---	---	---	---	16
17	---	---	0 B	0.002	0.008	0.001	---	---	---	---	---	---	17
18	---	---	0 B	0.001	0.004	0.001	---	---	---	---	---	---	18
19	---	---	0 B	0.001	0.004	0	---	---	---	---	---	---	19
20	---	---	0 B	0	0.004	0	---	---	---	---	---	---	20
21	---	---	0.0028	0	0.004	0	---	---	---	---	---	---	21
22	---	---	0.0028	0	0.003	0.001	---	---	---	---	---	---	22
23	---	---	0.0068	0	0.003	0.002	---	---	---	---	---	---	23
24	---	---	0.0078	0	0.003	0.002	---	---	---	---	---	---	24
25	---	---	0.0138	0	0.003	0.001	0	---	---	---	---	---	25
26	---	---	0.0188	0	0.003	0	---	---	---	---	---	---	26
27	---	---	0.0048	0 B	0.003	0	---	---	---	---	---	---	27
28	---	---	0.0028	0 B	0.001	0	---	---	---	---	---	---	28
29	---	---	0.0018	0.0018	0	0	---	---	---	---	---	---	29
30	---		0 B	0.0018	0	0	---	---	---	---	---	---	30
31	---		0 B		0		---	---		---		---	31
TOTAL	---	---	0.053	0.041	0.272	0.016	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.002	0.001	0.009	0.001	---	---	---	---	---	---	MEAN
MAX	---	---	0.018	0.007	0.038	0.003	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.003
MAXIMUM DAILY, 0.0368 ON MAY 3
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.1058 AT 14:03 CST ON MAY 3

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 27 N
LONG 98 56 36 W
DRAINAGE AREA, 73.3 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL ---	
FEB	---	AUG ---	
MAR	4.48	SEP ---	
APR	3.54	OCT ---	
MAY	23.5	NOV ---	
JUN	1.38	DEC ---	

TOTAL DISCHARGE, 32.9 dam³

GOPHER CREEK NEAR VIRDEN - STATION NO. 05MG003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0.001E	0	0	0	0	0	0	0	---	---	24
25	---	---	0.002E	0	0	0	0	0	0	0	---	---	25
26	---	---	0 002E	0	0	0	0	0	0	0	---	---	26
27	---	---	0 001A	0	0	0	0	0	0	0	---	---	27
28	---	---	0 001	0	0	0	0	0	0	0	---	---	28
29	---	---	0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0 007	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0 002	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 002E ON MAR 25
MINIMUM DAILY, 0E ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 47 00 N
LONG 100 57 52 W
DRAINAGE AREA, 260 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0 60	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 60 dam³

GRACE LAKE NEAR THE PAS - STATION NO. 05KJ002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	280.444	280.480	280.582	280.517	280.421	280.328	280.192	280.241	---	---	1
2	---	---	280.443	280.483	280.582	280.514	280.417	280.321	280.191	280.248	---	---	2
3	---	---	280.444	280.487	280.581	280.513	280.410	280.316	280.188	280.249	---	---	3
4	---	---	280.443	280.491	280.580	280.514	280.408	280.315	280.188	280.25?	---	---	4
5	---	---	280.440	280.494	280.581	280.505	280.408	280.316	280.191	280.245	---	---	5
6	---	---	280.442	280.499	280.578	280.502	280.404	280.312	280.196	280.238	---	---	6
7	---	---	280.443	280.501	280.574	280.507	280.402	280.308	280.208	280.239	---	---	7
8	---	---	280.444	280.505	280.571	280.509	280.394	280.298	280.217	280.250	---	---	8
9	---	---	280.445	280.508	280.569	280.500	280.388	280.295	280.212	280.243	---	---	9
10	---	---	280.444	280.509	280.575	280.481	280.386	280.290	280.212	280.248	---	---	10
11	---	---	280.443	280.513	280.582	280.478	280.385	280.284	280.213	280.252	---	---	11
12	---	---	280.442	280.517	280.583	280.478	280.385	280.284	280.215	280.257	---	---	12
13	---	---	280.441	280.526	280.583	280.472	280.388	280.284	280.218	280.248	---	---	13
14	---	---	280.440	280.526	280.584	280.468	280.388	280.278	280.218	280.238	---	---	14
15	---	---	280.441A	280.527	280.580	280.468	280.380	280.267	280.214	280.238	---	---	15
16	---	---	280.441E	280.530	280.533	280.474	280.375	280.262	280.218	280.262	---	---	16
17	---	---	280.441E	280.530	280.542	280.487	280.372	280.257	280.212	280.274	---	---	17
18	---	---	280.442E	280.533	280.542	280.488	280.368	280.258	280.208	280.278	---	---	18
19	---	---	280.442A	280.533	280.541	280.487	280.362	280.257	280.213	280.288	---	---	19
20	---	---	280.444	280.533	280.583	280.488	280.364	280.242	280.220	280.287	---	---	20
21	---	---	280.445	280.534	280.548	280.483	280.351	280.245	280.238	280.285	---	---	21
22	---	---	280.444	280.534	280.564	280.484	280.344	280.238	280.258	280.278	---	---	22
23	---	---	280.448	280.538	280.569	280.474	280.340	280.240	280.250	280.278	---	---	23
24	---	---	280.447	280.540	280.581	280.487	280.341	280.232	280.254	280.281	---	---	24
25	---	---	280.484	280.558	280.549	280.488	280.339	280.229	280.251	280.278	---	---	25
26	---	---	280.488	280.572	280.547	280.482	280.349	280.234	280.248	280.282	---	---	26
27	---	---	280.478	280.575	280.538	280.480	280.351	280.230	280.244	280.283	---	---	27
28	---	---	280.478	280.578	280.530	280.468	280.352	280.200	280.243	280.278	---	---	28
29	---	---	280.478	280.575	280.527	280.438	280.339	280.181	280.245	280.282	---	---	29
30	---		280.478	280.578	280.526	280.438	280.337	280.188	280.248	280.278	---	---	30
31	---		280.478		280.533		280.331	280.181		280.282		---	31
MEAN	---	---	280.450	280.527	280.555	280.481	280.373	280.243	280.221	280.264	---	---	MEAN
MAX	---	---	280.478	280.578	280.582	280.517	280.421	280.328	280.258	280.288	---	---	MAX
MIN	---	---	280.440	280.480	280.523	280.438	280.331	280.181	280.188	280.238	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 280.582 ON MAY 1

MAXIMUM INSTANTANEOUS,
280.589 AT 19:15 CST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 49 00 N
LONG 101 12 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1966

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1974 ADJ.)

GRAHAM CREEK NEAR MELITA - STATION NO. 08NF008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 E	0	0	0	0	0	0	0	---	---	1
2	---	---	0 E	0	0	0	0	0	0	0	---	---	2
3	---	---	0 E	0	0	0	0	0	0	0	---	---	3
4	---	---	0 E	0	0	0	0	0	0	0	---	---	4
5	---	---	0 E	0	0	0	0	0	0	0	---	---	5
6	---	---	0 E	0	0	0	0	0	0	0	---	---	6
7	---	---	0 E	0	0.088	0	0	0	0	0	---	---	7
8	---	---	0 E	0	0.046	0	0	0	0	0	---	---	8
9	---	---	0 E	0	0.041	0	0	0	0	0	---	---	9
10	---	---	0 E	0	0.034	0	0	0	0	0	---	---	10
11	---	---	0 E	0	0.032	0	0	0	0	0	---	---	11
12	---	---	0 E	0	0.023	0	0	0	0	0	---	---	12
13	---	---	0 E	0	0.013	0	0	0	0	0	---	---	13
14	---	---	0 E	0	0.001	0	0	0	0	0	---	---	14
15	---	---	0 E	0	0.001	0	0	0	0	0	---	---	15
16	---	---	0 E	0	0.001	0	0	0	0	0	---	---	16
17	---	---	0 E	0	0.002	0	0	0	0	0	---	---	17
18	---	---	0 E	0	0.001	0	0	0	0	0	---	---	18
19	---	---	0 E	0	0	0	0	0	0	0	---	---	19
20	---	---	0.0108	0	0	0	0	0	0	0	---	---	20
21	---	---	0.0089	0	0	0	0	0	0	0	---	---	21
22	---	---	0.0018	0	0	0	0	0	0	0	---	---	22
23	---	---	0.0018	0	0	0	0	0	0	0	---	---	23
24	---	---	0.0018	0	0	0	0	0	0	0	---	---	24
25	---	---	0.0018	0	0	0	0	0	0	0	---	---	25
26	---	---	0.0018	0	0	0	0	0	0	0	---	---	26
27	---	---	0 E	0	0	0	0	0	0	0	---	---	27
28	---	---	0 E	0	0	0	0	0	0	0	---	---	28
29	---	---	0 E	0	0	0	0	0	0	0	---	---	29
30	---	---	0 E	0	0	0	0	0	0	0	---	---	30
31	---		0 E		0		0	0		0		---	31
TOTAL	---	---	0.024	0	0.261	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0	0.008	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.015	0	0.088	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.088 ON MAY 7
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
0.394 AT 06:15 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 100 59 45 W
DRAINAGE AREA, 764 km²

E - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	3.07	SEP	0
APR	0	OCT	0
MAY	22.5	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 24.7 dam³

GRANVILLE LAKE AT PICKEREL NARROWS - STATION NO. 05ED002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	260.039	259.958	259.886	259.852	260.234	260.181	260.067	259.883	259.735	259.650	259.584	259.718	1
2	260.036	259.951	259.886	259.850	260.243	260.184	260.065	259.874	259.724	259.657	259.586	259.718	2
3	260.030	259.954	259.881	259.851	260.257	260.171	260.062	259.866	259.721	259.651	259.578	259.722	3
4	260.030	259.954	259.879	259.850	260.262	260.172	260.066	259.860	259.722	259.641	259.582	259.721	4
5	260.031	259.950	259.869	259.848	260.270	260.173	260.071	259.852	259.716	259.634	259.582	259.718	5
6	260.025	259.948	259.859	259.845	260.276	260.172	260.064	259.855	259.714	259.622	259.590	259.714	6
7	260.024	259.945	259.856	259.843	260.282	260.163	260.057	259.856	259.720	259.620	259.603	259.724	7
8	260.024	259.940	259.855	259.842	260.283	260.153	260.054	259.848	259.737	259.612	259.617	259.733	8
9	260.011	259.940	259.853	259.842	260.289	260.150	260.038	259.845	259.734	259.608	259.621	259.738	9
10	260.010	259.934	259.854	259.838	260.287	260.133	260.041	259.836	259.726	259.597	259.629	259.736	10
11	260.008	259.933	259.847	259.842	260.266	260.133	260.045	259.823	259.721	259.592	259.636	259.736	11
12	260.011	259.936	259.857	259.842	260.262	260.128	260.048	259.830	259.726	259.592	259.645	259.736	12
13	260.010	259.934	259.855	259.849	260.264	260.116	260.048	259.808	259.718	259.583	259.686	259.732	13
14	260.009	259.932	259.856	259.851	260.278	260.105	260.041	259.874	259.718	259.576	259.672	259.739	14
15	260.008	259.932	259.866	259.858	260.274	260.098	260.033	259.862	259.718	259.582	259.684	259.740	15
16	260.000	259.937	259.886	259.867	260.272	260.100	260.041	259.867	259.715	259.570	259.688	259.742	16
17	259.993	259.938	259.884	259.877	260.275	260.095	260.034	259.867	259.714	259.580	259.693	259.741	17
18	259.984	259.936	259.880	259.887	260.280	260.087	260.012	259.853	259.712	259.588	259.695	259.741	18
19	259.986	259.935	259.880	259.883	260.282	260.084	260.018	259.845	259.715	259.600	259.703	259.742	19
20	259.983	259.932	259.867	259.952	260.277	260.078	260.022	259.834	259.714	259.592	259.709	259.755	20
21	259.980	259.931	259.863	259.984	260.285	260.084	260.025	259.855	259.712	259.583	259.714	259.761	21
22	259.978	259.932	259.861	260.018	260.274	260.078	260.021	259.880	259.697	259.578	259.718	259.765	22
23	259.980	259.917	259.860	260.082	260.274	260.068	260.023	259.845	259.686	259.574	259.720	259.760	23
24	259.979	259.911	259.862	260.082	260.272	260.070	260.018	259.835	259.703	259.583	259.720	259.755	24
25	259.975	259.905	259.867	260.113	260.285	260.075	260.020	259.826	259.686	259.571	259.714	259.753	25
26	259.971	259.904	259.858	260.138	260.282	260.065	260.023	259.821	259.686	259.583	259.721	259.753	26
27	259.968	259.900	259.858	260.163	260.268	260.055	260.018	259.817	259.685	259.586	259.730	259.760	27
28	259.971	259.895	259.858	260.188	260.237	260.060	260.018	259.782	259.673	259.568	259.723	259.760	28
29	259.967	259.893	259.858	260.195	260.227	260.075	260.014	259.768	259.683	259.571	259.730	259.758	29
30	259.964		259.858	260.219	260.219	260.074	260.004	259.735	259.688	259.568	259.731	259.758	30
31	259.963		259.861		260.214		259.995	259.731		259.560		259.760	31
MEAN	259.998	259.929	259.868	259.948	260.268	260.118	260.038	259.818	259.708	259.592	259.684	259.741	MEAN
MAX	260.039	259.958	259.886	260.219	260.289	260.181	260.071	259.883	259.737	259.657	259.737	259.760	MAX
MIN	259.963	259.893	259.840	259.838	260.214	260.065	259.995	259.735	259.683	259.551	259.584	259.714	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 259.894
MAXIMUM DAILY, 260.289 ON MAY 9
MINIMUM DAILY, 259.551 ON OCT 29
MAXIMUM INSTANTANEOUS,
260.291 AT 06:00 CST ON MAY 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 13 40 N
LONG 100 35 00 W

REGULATED SINCE 1939

DRAINAGE AREA,
242 000 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

GRASS RIVER ABOVE STANDING STONE FALLS - STATION NO. 05TB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	92.8	79.9	82.2	48.8	76.1	128	147	128	100	89.8	82.9E	84.5E	1
2	92.0	78.7	83.3	47.4	79.8	126	148	126	99.4	87.4	82.9E	84.6E	2
3	92.3	78.9	81.0	45.9	72.0	128	148	125	98.9	87.4	83.0E	84.7E	3
4	92.5	78.7	80.8	46.1	73.3	127	141	123	98.7	87.1	83.0E	84.8E	4
5	92.6	78.3	80.2	45.8	76.4	126	142	121	98.5	87.5	83.0E	84.9E	5
6	93.7	77.3	59.3	45.0	76.4	127	143	119	84.4	88.3	83.0E	85.0E	6
7	93.7	76.9	58.7	45.0	77.8	133	142	118	86.6	86.8	83.0E	85.1E	7
8	93.2	75.8	58.3	46.2	78.9	127	144	120	91.8	87.7	83.1E	85.2E	8
9	93.5	75.4	57.6	46.0	78.5	126	143	119	98.1	88.0	83.1E	85.4E	9
10	93.0	74.6	57.7	46.2	78.8	128	141	120	98.2	88.0	83.1E	85.5E	10
11	92.0	74.1	56.8	47.0	82.7	127	140	120	98.7	88.1	83.1E	85.8E	11
12	92.1	73.3	56.3	47.0	88.4	127	138	118	98.0	88.2	83.2E	85.7E	12
13	91.3	72.2	55.3	47.2	87.8	128	138	117	97.6	87.3	83.2E	85.8E	13
14	90.3	73.0	54.7	47.2	90.2	140	138	118	97.2	86.4	83.3E	86.0E	14
15	89.7	71.5	54.6	47.9	92.9	142	138	116	97.3	84.2	83.3E	86.1E	15
16	89.3	71.1	53.5	48.1	94.1	136	137	115	97.6	79.8	83.4E	86.2E	16
17	89.4	70.4	52.5	48.2	95.8	137	138	114	98.1	81.7	83.4E	86.4E	17
18	88.8	69.5	51.9	48.5	96.7	140	138	112	98.1	86.6	83.5E	86.5E	18
19	88.7	69.4	51.7	48.7	98.8	143	137	111	97.9	83.4	83.9E	86.7E	19
20	88.9	68.3	51.5	51.5	100	143	134	115	97.7	83.5A	83.8E	86.8E	20
21	87.1	67.5	50.8	53.0	103	143	134	107	88.4	83.4E	83.7E	87.0E	21
22	86.5	68.5	50.4	55.9	108	145	134	111	78.8	83.3E	83.7E	87.1E	22
23	84.7	68.3	49.9	57.1	110	146	133	110	81.3	83.2E	83.6E	87.3E	23
24	84.1	68.8	49.0	57.8	112	147	131	108	93.4	83.1E	83.8E	87.4E	24
25	84.2	65.0	48.6	58.3	116	147	130	108	91.4	83.0E	83.9E	87.6E	25
26	84.0	64.2	48.8	58.3	116	146	131	108	91.5	83.0E	84.0E	87.8E	26
27	83.8	63.9	47.7	58.5	118	146	131	105	92.0	83.0E	84.1E	87.9E	27
28	83.8	63.3	47.9	61.8	120	147	128	106	80.2	83.0E	84.2E	88.1E	28
29	83.6	62.7	47.8	66.1	123	148	128	109	80.4	82.9E	84.3E	88.2E	29
30	81.7		48.0	68.9	122	148	127	107	88.3	82.9E	84.4E	88.3E	30
31	80.9		47.4		121		128	102		82.9E		88.4E	31
TOTAL	2 752.1	2 072.5	1 873.2	1 542.3	2 946.8	4 148	4 243	3 554	2 804.4	2 638.9	2 503.5	2 678.7	TOTAL
MEAN	88.8	71.5	54.0	51.4	95.1	138	137	115	93.5	85.1	83.5	86.3	MEAN
MAX	93.7	79.9	83.3	68.9	123	148	147	128	100	89.8	84.4	88.4	MAX
MIN	80.9	62.7	47.4	45.0	76.1	123	128	102	78.8	79.8	82.9	84.5	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 91.7
MAXIMUM DAILY, 148 ON JUN 25
MINIMUM DAILY, 45.0 ON APR 6
MAXIMUM INSTANTANEOUS,
152 AT 12:43 CST ON JUN 30

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 44 35 N
LONG 97 00 00 W
DRAINAGE AREA, 15 400 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	238 000	JUL	367 000
FEB	179 000	AUG	307 000
MAR	161 000	SEP	242 000
APR	133 000	OCT	228 000
MAY	255 000	NOV	216 000
JUN	358 000	DEC	231 000

TOTAL DISCHARGE, 3 000 000 dam³

GRASS RIVER AT WEKUSKO FALLS - STATION NO. 05TB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.2E	14.6	13.2	11.8	20.6	27.3	27.7	22.3	13.7	14.6	19.5	23.4	1
2	15.2E	14.5	13.3	11.9	20.8	27.0	28.9	21.8	13.6	14.3	19.5	23.6	2
3	15.2A	14.5	13.3	11.8	21.0	26.7	28.7	21.7	13.5	14.3	19.6	23.7	3
4	15.0	14.5	13.1	11.8	21.3	26.4	28.1	21.5	13.4	14.4	20.1	23.8	4
5	15.1	14.3	11.7	11.7	21.6	26.4	26.9	20.9	13.3	14.7	20.1	23.3	5
6	15.0	14.3	11.6	11.5	21.9	26.5	26.6	20.8	13.2	14.8	19.8	22.4	6
7	15.0	14.2	11.5	11.6	22.3	26.2	25.6	20.5	12.6	14.5	19.5	23.3	7
8	15.7	14.1	11.8	11.8	22.5	27.7	26.4	20.3	13.0	14.5	20.4	23.1	8
9	15.5	14.1	11.5	11.8	22.5	28.2	26.7	19.7	14.4	15.3	20.6	23.8	9
10	15.3	14.2	11.2	13.0	23.2	31.0	25.6	19.9	14.8	15.2	20.7	23.5	10
11	15.0	14.3	11.1	12.4	23.5	28.4	25.4	19.3	14.8	14.9	20.6	21.8	11
12	14.8	13.9	10.9	12.6	23.8	26.0	25.1	18.8	14.2	15.1	20.3	21.4	12
13	14.8	13.8	10.7	13.2	23.5	25.3	24.6	18.6	14.5	15.0	20.4	21.4	13
14	14.9	13.8	10.8A	13.7	23.1	25.8	24.9	18.4	14.2	15.5	20.6	21.4	14
15	15.0	14.0	10.8A	13.9	22.9	26.0	26.2	17.8	14.5	14.9	22.3	22.0	15
16	14.7	14.0	10.5	14.4	23.1	26.7	26.2	17.5	14.4	15.8	23.1	21.7	16
17	14.6	13.9	10.8	14.6	23.7	26.2	26.5	17.3	14.3	17.3	21.9	21.6	17
18	14.5	13.9	10.6	15.1	23.5	25.8	25.7	17.1	14.2	16.3	21.7	21.3	18
19	14.3	13.6	10.7	15.3	23.5	25.8	25.3	16.9	14.0	16.4	21.7	21.1	19
20	14.2	13.5	10.8	15.0	23.4	26.4	24.9	17.4	14.0	19.0	21.9	20.6	20
21	14.2	13.6	11.0	16.6	25.1	26.7	25.4	16.0	13.1	18.3	22.3	21.1	21
22	14.0	13.3	11.2	17.3	25.1	26.7	25.7	16.3	12.2	20.0	22.4	20.7	22
23	14.3	13.1	11.3	17.1	26.0	26.3	25.2	16.0	14.3	19.6	22.4	20.7	23
24	14.6	12.9	11.2	17.2	25.6	26.7	25.2	15.9	14.4	19.5	22.6	20.3	24
25	14.2	12.9	11.3	17.6	25.3	25.1	24.0	15.6	14.3	19.7	22.2	19.8	25
26	14.2	13.0	11.4	18.3	25.3	25.6	24.3	15.6	14.4	20.2	22.2	19.8	26
27	14.0	12.7	11.7	18.3	25.9	26.2	24.2	15.2	14.6	20.0	22.5	19.6	27
28	14.3	12.4	11.8	18.4	27.2	26.1	24.2	15.5	14.5	20.2	22.5	19.4	28
29	14.4	12.2	11.8	20.2	27.0	26.0	23.6	15.5	14.4	20.1	22.5	19.2	29
30	14.6		11.7	20.3	26.4	26.1	23.8	14.5	14.6	19.4	22.3	19.3	30
31	14.7		11.6		25.7		23.2	14.0		19.3		19.3	31
TOTAL	482.8	386.9	351.8	461.2	737.6	848.8	763.5	559.4	419.8	530.2	637.4	659.8	TOTAL
MEAN	14.9	13.7	11.3	14.7	23.8	28.2	25.3	18.0	14.0	17.0	21.2	21.3	MEAN
MAX	15.2	14.6	13.3	20.3	27.2	31.0	27.7	22.3	14.6	20.2	23.6	23.3	MAX
MIN	14.0	12.2	10.5	11.5	20.6	25.3	23.2	14.0	12.2	14.3	19.5	19.2	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 18.7
MAXIMUM DAILY, 31.0 ON JUN 10
MINIMUM DAILY, 10.5 ON MAR 15
MAXIMUM INSTANTANEOUS,
33.8 AT 14:33 CST ON JUN 10

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 47 20 N
LONG 98 58 10 W
DRAINAGE AREA, 3 280 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	40 000	JUL	87 700
FEB	34 400	AUG	68 300
MAR	30 400	SEP	38 300
APR	38 100	OCT	65 800
MAY	63 700	NOV	85 100
JUN	73 200	DEC	87 000

TOTAL DISCHARGE, 590 000 dam³

GRASSMERE DRAIN NEAR MIDDLECHURCH - STATION NO. 05DJ017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.84 B	0.004	0.031	0	0	0	0	---	---	1
2	---	---	0 B	2.15 B	0.001	0.018	0	0	0	0	---	---	2
3	---	---	0 B	1.80 B	0.001	0.018	0	0	0	0	---	---	3
4	---	---	0 B	1.04	0.007	0.018	0	0	0	0	---	---	4
5	---	---	0 B	0.499	0.007	0.022	0	0	0	0	---	---	5
6	---	---	0 B	0.365	0.001	0.031	0	0	0	0	---	---	6
7	---	---	0 B	0.287	0	0.031	0	0	0	0	---	---	7
8	---	---	0 B	0.180	0	0.027	0	0	0	0	---	---	8
9	---	---	0 B	0.117	0	0.032	0	0	0	0	---	---	9
10	---	---	0 B	0.088	0	0.028	0	0	0	0	---	---	10
11	---	---	0 B	0.045	0	0.024	0	0	0	0	---	---	11
12	---	---	0 B	0.038	0.002	0.038	0	0	0	0	---	---	12
13	---	---	0 B	0.035	0.014	0.057	0	0	0	0	---	---	13
14	---	---	0 B	0.017	0.006	0.035	0	0	0	0	---	---	14
15	---	---	0 B	0.010	0.003	0.018	0	0	0	0	---	---	15
16	---	---	0 B	0.004	0.001	0.013	0	0	0	0	---	---	16
17	---	---	0 B	0.001	0.038	0.037	0	0	0	0	---	---	17
18	---	---	0 B	0	0.177	0.018	0	0	0	0	---	---	18
19	---	---	0 B	0	0.128	0.010	0	0	0	0.003E	---	---	19
20	---	---	0 B	0	0.133	0.006	0	0	0	0.021E	---	---	20
21	---	---	0 B	0	0.128	0.008	0	0	0	0.043E	---	---	21
22	---	---	0 B	0	0.091	0.013	0	0	0	0.075E	---	---	22
23	---	---	0 B	0	0.088	0.027	0	0	0	0.089	---	---	23
24	---	---	0 B	0	0.084	0.019	0	0	0	0.068	---	---	24
25	---	---	0 0708	0	0.089	0.014	0	0	0	0.032	---	---	25
26	---	---	3.21 B	0	0.080	0.024	0	0	0	0.032	---	---	26
27	---	---	0 6438	0	0.044	0.027	0	0	0	0.076	---	---	27
28	---	---	0 7538	0.002	0.044	0.016	0	0	0	0.057	---	---	28
29	---	---	0 8458	0.003	0.038	0.008	0	0	0	0.0788	---	---	29
30	---		0 8828	0.010	0.024	0.002	0	0	0	0.0748	---	---	30
31	---		1.00 B		0.033		0	0		0.0708		---	31
TOTAL	---	---	7 813	8 182	1 186	0.840	0	0	0	0.875	---	---	TOTAL
MEAN	---	---	0 252	0 272	0 038	0.021	0	0	0	0.022	---	---	MEAN
MAX	---	---	3 21	3 15	0 177	0 057	0	0	0	0 076	---	---	MAX
MIN	---	---	0	0	0	0 002	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 075
MAXIMUM DAILY, 3 210 ON MAR 26
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
4 988 AT 09 59 CST ON APR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 00 08 N
LONG 97 07 01 W
DRAINAGE AREA, 471 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	675	SEP	0
APR	705	OCT	58 3
MAY	101	NOV	---
JUN	55 3	DEC	---

TOTAL DISCHARGE, 1 580 dam³

GUNISAO RIVER ABOVE DIAMOND RAPIDS - STATION NO. 05UA003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5 208	4 748	4 028	3 438	37 2	30 4	14 6	8.10	4 35	4 04	8 32	8 868	1
2	5 098	4 718	3 998	3 438	28 5	28 6	14 1	7 77	4 26	4 16	8 16	8 638	2
3	5 038	4 688	3 898	3 488	33 4	27 5	13 7	7 65	4 42	4 00	8 21	8 508	3
4	5 048	4 688	3 898	3 518	37 3	26 7	13 4	7 53	4 45	3 92	8 24	8 588	4
5	5 078	4 648	3 938	3 578	40 2	39 0	13 3	7 63	4 26	3 86	8 07	8 568	5
6	5 008	4 618	3 908	3 718	41 9	35 3	13 1	7 70	4 29	4 13	8 02	8 548	6
7	5 738	4 588	3 908	4 908	43 1	35 6	12 1	7 61	4 31	3 86	7 86	8 528	7
8	5 668	4 558	3 888	4 838	40 7	36 3	11 8	7 30	4 28	3 87	7 97	8 508	8
9	5 588	4 558	3 888	13 8	39 8	25 2	11 5	7 10	4 30	3 84	7 85	8 488	9
10	5 588	4 538	3 856	14 8	39 6	25 3	11 2	6 88	4 10	4 06	7 63	8 468	10
11	5 518	4 528	3 828	33 4	39 5	24 8	10 8	6 86	4 00	4 02	7 888	8 448	11
12	5 448	4 488	3 798	27 8	39 4	24 0	10 8	6 86	3 89	3 99	7 848	8 428	12
13	5 408	4 458	3 768	31 5	39 7	23 0	10 8	6 87	4 04	4 11	7 478	8 418	13
14	5 378	4 398	3 738	32 7	39 3	23 1	10 8	6 81	4 04	3 84	7 408	8 408	14
15	5 338	4 358	3 748	33 7	37 8	21 3	11 3	6 83	3 88	4 01	7 368	8 388	15
16	5 308	4 368	3 718	34 7	37 3	20 5	11 7	6 80	3 91	4 87	7 288	8 378	16
17	5 268	4 338	3 688	34 6	35 8	19 7	12 0	6 83	3 84	8 03	7 248	8 368	17
18	5 238	4 298	3 688	33 0	36 3	18 8	11 8	6 80	3 85	7 04	7 188	8 358	18
19	5 188	4 298	3 658	32 6	36 7	18 2	11 7	6 39	3 88	8 00	7 148	8 338	19
20	5 128	4 268	3 658	31 8	36 0	18 7	11 3	6 27	3 88	6 82	7 008	8 328	20
21	5 088	4 238	3 858	31 2	37 1	18 3	10 9	6 84	3 83	6 88	7 088	8 308	21
22	5 018	4 208	3 828	31 1	38 4	17 7	10 5	6 76	3 80	6 87	7 008	8 288	22
23	5 018	4 188	3 808	30 1	38 6	17 7	10 3	6 84	4 42	6 85	6 968	8 268	23
24	4 978	4 138	3 778	28 9	38 4	17 5	10 0	6 69	4 21	6 91	6 928	8 278	24
25	4 978	4 108	3 848	28 8	37 6	17 6	9 71	6 60	4 01	6 70	6 888	8 288	25
26	4 948	4 108	3 818	28 8	38 4	17 8	9 58	6 77	3 96	6 81	6 838	8 288	26
27	4 908	4 078	3 818	28 5	35 0	17 3	9 40	6 60	3 92	9 05	6 808	8 248	27
28	4 878	4 048	3 488	28 5	33 7	16 8	9 17	6 18	4 01	8 80	6 788	8 248	28
29	4 848	4 028	3 488	27 3	33 4	16 2	8 88	5 95	4 01	8 85	6 728	8 238	29
30	4 808		3 438	28 8	31 8	16 3	8 84	4 80	3 93	8 87	6 688	8 228	30
31	4 778		3 438		31 1		8 40	4 47		8 38		8 218	31
TOTAL	165 78	127 00	116 21	673 88	1 140 1	882 3	347 30	200 30	121 89	191 21	222 02	188 11	TOTAL
MEAN	5 35	4 36	3 73	22 5	36 8	21 7	11 2	6 46	4 06	6 17	7 40	6 39	MEAN
MAX	5 30	4 74	4 03	34 7	43 1	30 4	14 6	8 10	4 45	9 06	8 32	8 88	MAX
MIN	4 77	4 02	3 43	3 43	37 2	16 3	8 40	4 47	3 86	3 84	6 89	8 21	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 11 4
MAXIMUM DAILY, 43 1 ON MAY 7
MINIMUM DAILY, 3 430 ON MAR 30
MAXIMUM INSTANTANEOUS,
43 1 AT 17:30 CST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 47 10 N
LONG 97 40 30 W
DRAINAGE AREA, 4 490 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	14 300	JUL	30 000
FEB	11 000	AUG	17 300
MAR	9 850	SEP	10 800
APR	56 200	OCT	16 500
MAY	98 500	NOV	19 200
JUN	56 400	DEC	17 100

TOTAL DISCHARGE, 369 000 dam³

HAYES RIVER BELOW GODS RIVER - STATION NO. 04AB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3885	3118	2828	---	---	1 030	1 130	492	303E	481	4418	3848	1
2	3868	3098	2828	---	---	1 030	1 050	482	300E	493	4298	3828	2
3	3848	3088	2818	---	---	1 080	974	484	298E	500	4378	3808	3
4	3818	3078	2818	---	---	1 140	837	445	295E	498	4358	3788	4
5	3868	3068	2808	---	---	1 180	916	432	294E	495	4338	3768	5
6	3878	3048	2808	---	---	1 180	878	410	292E	485	4318	3758	6
7	3848	3038	2788	---	---	1 130	838	367	291E	482	4298	3738	7
8	3828	3028	2788	---	---	1 110	808	378	305E	477	4278	3718	8
9	3488	3018	2788	---	---	1 120	772	401	325E	471	4258	3698	9
10	3478	2998	2783	---	---	1 140	747	388	389A	468	4238	3688	10
11	3468	2898	2788	---	---	1 130	730	405	470	484	4218	3668	11
12	3448	2868	2778	---	---	1 130	708	408	488	481	4188	3648	12
13	3418	2878	2778	---	---	1 100	673	402	505	488	4188	3628	13
14	3388	2868	2778	---	---	1 040	635	400	518	490	4188	3608	14
15	3378	2858	2788	---	---	997	602	386	530	527	4148	3588	15
16	3368	2848	2788	---	---	985	583	395	535	540	4118	3578	16
17	3338	2838	2788	---	---	930	574	388	534	538	4108	3568	17
18	3318	2828	2758	---	---	888	585	380	533	526	4088	3548	18
19	3288	2818	2788	---	---	857	580	367A	521	528	4088	3528	19
20	3268	2808	2788	---	---	829	559	360E	510	527	4048	3508	20
21	3278	2888	2788	---	---	803	584	358E	498	524	4028	3488	21
22	3268	2898	2748	---	---	778	545	350E	491	501	3988	3478	22
23	3248	2848	2748	---	---	780	548	348E	472	487	3968	3468	23
24	3238	2878	2748	---	---	851	547	341E	480	488	3988	3438	24
25	3218	2868	2738	---	1 130	847	538E	488	483	3948	3428	25
26	3208	2858	2738	---	---	1 280	537	330E	478	408	3938	3408	26
27	3188	2858	2738	---	---	1 330	521	329E	481	455	3918	3388	27
28	3178	2848	2738	---	---	1 330	511	321E	485	402	3898	3378	28
29	3158	2838	2728	---	1 100A	1 270	510	317E	487	381	3878	3358	29
30	3148		2728	---	1 080	1 200	501	312E	490	4458	3858	3338	30
31	3128		2718		1 050		505	308E		4438		3328	31
TOTAL	10 487	8 570	8 588	---	---	31 723	21 083	11 833	13 030	14 906	12 381	11 074	TOTAL
MEAN	337	286	276	---	---	1 060	679	382	434	481	413	357	MEAN
MAX	388	311	282	---	---	1 330	1 130	492	536	540	441	384	MAX
MIN	312	283	271	---	---	778	504	308	291	381	385	332	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 25 55 N
LONG 92 47 19 W
DRAINAGE AREA, 103 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	903 000	JUL	1 820 000
FEB	740 000	AUG	1 020 000
MAR	740 000	SEP	1 130 000
APR	---	OCT	1 280 000
MAY	---	NOV	1 070 000
JUN	2 740 000	DEC	957 000

HAYES RIVER BELOW TROUT FALLS - STATION NO. 04AA004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	31.88	25.18	24.08	---	---	84.4	59.0	46.9	37.1	27.2	19.4	18.18	1
2	31.48	25.08	23.88	---	---	84.1	58.5	46.5	36.2	27.0	17.2	18.18	2
3	30.98	25.98	23.88	---	---	84.0	58.2	46.0	35.2	26.5	16.1	18.08	3
4	30.58	25.88	23.78	---	---	84.0	57.2	47.3	34.3	25.6	15.5	18.08	4
5	30.28	25.78	23.88	---	---	83.8	55.9	46.6	34.1	25.3	14.9	18.08	5
6	29.88	25.78	23.68	---	---	83.9	55.4	46.0	33.8	25.2	14.6	18.98	6
7	29.68	25.78	23.58	---	---	82.5	55.1	44.4	33.6	28.1	15.0	18.98	7
8	29.38	25.68	23.48	---	---	83.4	55.0	43.1	33.6	25.6	15.2	18.88	8
9	29.18	25.58	23.48	---	---	83.9	54.6	42.9	33.6	25.7	15.5	18.68	9
10	28.88	25.58	23.38	---	---	86.4	54.1	42.9	33.4	25.7	15.9	18.88	10
11	28.78	25.48	23.28	---	---	88.5	53.1	42.9	34.0	25.3	16.5	18.78	11
12	28.48	25.38	23.18	---	---	87.6	52.2	42.7	34.3	25.4	17.1	18.78	12
13	28.38	25.28	23.18	---	---	86.9	51.2	42.5	34.3	25.4	18.0	18.78	13
14	28.08	25.18	23.08	---	---	86.7	50.6	42.1	34.2	25.6	19.1	18.68	14
15	27.88	25.18	22.98	---	---	86.6	50.1	42.2	34.2	25.5	19.8	18.68	15
16	27.58	25.08	22.88	---	---	85.4	50.4	41.7	34.1	24.9	19.88	18.68	16
17	27.48	24.98	22.88	---	---	85.6	50.4	41.7	33.8	24.7	19.88	18.58	17
18	27.38	24.88	22.78	---	---	87.1	50.1	41.6	33.3	24.6	19.88	18.58	18
19	27.28	24.88	22.68	---	---	88.8	57.8	41.1	32.8	25.2	19.68	18.58	19
20	27.28	24.78	22.58	---	---	89.2	58.9	41.5	31.9	25.0	19.88	18.48	20
21	27.18	24.68	22.58	---	---	88.2	58.1	42.0	30.8	25.1	19.78	18.48	21
22	27.08	24.68	22.48	---	---	70.0	58.1	40.9	30.0	25.1	19.68	18.48	22
23	26.98	24.58	22.38	---	---	71.0	56.8	40.8	29.8	24.8	19.58	18.38	23
24	26.88	24.48	22.38	---	---	70.8	54.0	40.3	28.7	24.1	19.58	18.38	24
25	26.78	24.48	22.28	---	---	70.4	52.8	40.0	27.9	23.7	19.48	18.38	25
26	26.68	24.28	22.18	---	---	88.7	51.8	39.8	28.1	23.6	19.48	18.28	25
27	26.58	24.28	22.18	---	---	89.0	51.3	39.4	27.8	23.5	19.38	18.28	27
28	26.48	24.18	22.08	---	---	88.6	50.8	38.6	27.8	23.2	19.28	18.28	28
29	26.48	24.08	22.08	---	---	88.8	50.6	38.4	27.7	22.7	19.28	18.28	29
30	26.38		21.98	---	83.8A	89.2	50.3	39.0	27.4	22.3	19.18	18.18	30
31	26.28		21.88		83.2		49.8	38.5		21.8		18.18	31
TOTAL	872.0	726.8	706.8	---	---	2 012.1	1 834.4	1 316.2	988.8	774.7	543.4	575.9	TOTAL
MEAN	28.1	25.1	22.8	---	---	67.1	59.2	42.5	32.3	25.0	18.1	18.6	MEAN
MAX	31.8	26.1	24.0	---	---	71.0	68.0	46.9	37.1	27.2	19.9	19.1	MAX
MIN	26.2	24.0	21.8	---	---	52.8	49.8	38.4	27.4	21.8	14.8	18.1	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MAXIMUM DAILY, 71.0 ON JUN 23

MAXIMUM INSTANTANEOUS, 71.8 ON JUN 23

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 51 23 N
LONG 93 07 12 W
DRAINAGE AREA, 6 680 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	75 300	JUL	158 000
FEB	62 800	AUG	114 000
MAR	61 200	SEP	83 700
APR	---	OCT	66 800
MAY	---	NOV	46 900
JUN	174 000	DEC	49 800

HESPELER FLOODWAY NEAR ROSENFELD - STATION NO. 05DC018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.52 B	0.043A	0	0	0	0	0	---	---	1
2	---	---	0 B	1.34 B	0.052E	0.014	0	0	0	0	---	---	2
3	---	---	0 B	1.17 B	0.047E	0.019	0	0	0	0	---	---	3
4	---	---	0 B	0.8878	0.043E	0.024	0	0	0	0	---	---	4
5	---	---	0 B	0.9478	0.038E	0.024	0	0	0	0	---	---	5
6	---	---	0 B	0.8518	0.033E	0.026	0	0	0	0	---	---	6
7	---	---	0 B	0.7028	0.028E	0.047	0	0	0	0	---	---	7
8	---	---	0 B	0.6058	0.028E	0.110	0	0	0	0	---	---	8
9	---	---	0 B	0.4588	0.021E	0.128	0	0	0	0	---	---	9
10	---	---	0 B	0.5078	0.019E	0.123	0	0	0	0	---	---	10
11	---	---	0 B	0.5538	0.017E	0.118	0	0	0	0	---	---	11
12	---	---	0 B	0.494	0.018E	0.158	0	0	0	0	---	---	12
13	---	---	0 B	0.383	0.015E	0.187	0	0	0	0	---	---	13
14	---	---	0 B	0.281	0.014E	0.211	0	0	0	0	---	---	14
15	---	---	0 B	0.209	0.013E	0.219	0	0	0	0	---	---	15
16	---	---	0 B	0.153	0.012A	0.218	0	0	0	0	---	---	16
17	---	---	0 B	0.090	0.008	0.211	0	0	0	0	---	---	17
18	---	---	0 B	0.048	0 A	0.186	0	0	0	0	---	---	18
19	---	---	0 B	0.027	0 E	0.148	0	0	0	0	---	---	19
20	---	---	0 B	0.018	0 E	0.113	0	0	0	0	---	---	20
21	---	---	0 B	0.017	0.012E	0.123	0	0	0	0	---	---	21
22	---	---	0 B	0.016	0.007E	0.413	0	0	0	0	---	---	22
23	---	---	0 B	0.012	0 A	0.517	0	0	0	0	---	---	23
24	---	---	0 B	0.008	0	0.320	0	0	0	0	---	---	24
25	---	---	0 0018	0.001	0	0.188	0	0	0	0	---	---	25
26	---	---	0 0028	0	0	0.080	0	0	0	0	---	---	26
27	---	---	0 5558	0 008	0	0.035	0	0	0	0	---	---	27
28	---	---	2 41 B	0 017	0	0.016	0	0	0	0	---	---	28
29	---	---	2 04 B	0 019	0	0 002	0	0	0	0	---	---	29
30	---		1 87 B	0 023	0	0	0	0	0	08	---	---	30
31	---		1 69 B		0		0	0		08		---	31
TOTAL	---	---	0 568	11.444	0.485	3.956	0	0	0	0	---	---	TOTAL
MEAN	---	---	0 275	0 381	0 015	0 132	0	0	0	0	---	---	MEAN
MAX	---	---	2 41	1 52	0 052	0 517	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 100
MAXIMUM DAILY, 2 41B ON MAR 28
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 10 N
LONG 97 33 00 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	740	SEP	0
APR	989	OCT	0
MAY	40 2	NOV	---
JUN	342	DEC	---

TOTAL DISCHARGE, 2 110 dam³

HIDDEN ISLAND COULEE NEAR HANSBORO - STATION NO 05DA005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0	0	0	0.283	0.005	0.001	0	0	0	0	0	0	1
2	0	0	0	0.283	0.102	0.001	0	0	0	0	0	0	2
3	0	0	0	0.258	0.150	0	0	0	0	0	0	0	3
4	0	0	0	0.227	0.850	0	0	0	0	0	0	0	4
5	0	0	0	0.195	.19	0.001	0	0	0	0	0	0	5
6	0	0	0	0.167	0.736	0.001	0	0	0	0	0	0	6
7	0	0	0	0.122	0.453	0.002	0	0	0	0	0	0	7
8	0	0	0	0.065	0.388	0.001	0	0	0	0	0	0	8
9	0	0	0	0.017	0.340	0.001	0	0	0	0	0	0	9
10	0	0	0	0.008	0.311	0	0	0	0	0	0	0	10
11	0	0	0	0.018	0.255	0	0	0	0	0	0	0	11
12	0	0	0	0.122	0.204	0	0	0	0	0	0	0	12
13	0	0	0	0.793	0.176	0	0	0	0	0	0	0	13
14	0	0	0	0.398	0.136	0	0	0	0	0	0	0	14
15	0	0	0	0.278	0.108	0	0	0	0	0	0	0	15
16	0	0	0	0.238	0.085	0	0	0	0	0	0	0	16
17	0	0	0	0.153	0.071	0	0	0	0	0	0	0	17
18	0	0	0	0.059	0.045	0	0	0	0	0	0	0	18
19	0	0	0	0.018	0.023	0	0	0	0	0	0	0	19
20	0	0	0	0.028	0.010	0	0	0	0	0	0	0	20
21	0	0	0	0.020	0.012	0	0	0	0	0	0	0	21
22	0	0	0	0.018	0.011	0	0	0	0	0	0	0	22
23	0	0	0.311	0.031	0.008	0	0	0	0	0	0	0	23
24	0	0	2.01	0.045	0.007	0	0	0	0	0	0	0	24
25	0	0	1.84	0.034	0.005	0	0	0	0	0	0	0	25
26	0	0	1.27	0.027	0.004	0	0	0	0	0	0	0	26
27	0	0	0.851	0.013	0.003	0	0	0	0	0	0	0	27
28	0	0	0.538	0.005	0.003	0	0	0	0	0	0	0	28
29	0	0	0.395	0.009	0.003	0	0	0	0	0	0	0	29
30	0		0.311	0.007	0.002	0	0	0	0	0	0	0	30
31	0		0.280		0.002		0	0		0		0	31
TOTAL	0	0	7.407	3.938	5.678	0.005	0	0	0	0	0	0	TOTAL
MEAN	0	0	0.239	0.131	0.183	0	0	0	0	0	0	0	MEAN
MAX	0	0	2.01	0.793	1.19	0.002	0	0	0	0	0	0	MAX
MIN	0	0	0	0.005	0.002	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 047
MAXIMUM DAILY, 2 01 ON MAR 24
MINIMUM DAILY, 0 ON JAN 1
MAXIMUM INSTANTANEOUS,
7.48 AT 18.15 CST ON MAR 24

SUMMARY FOR THE YEAR 1984

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 57 10 N
LONG 99 25 35 W
DRAINAGE AREA, 66.1 km²

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	640	SEP	0
APR	340	OCT	0
MAY	491	NOV	0
JUN	0.69	DEC	0

TOTAL DISCHARGE, 1 470 dam³

ICELANDIC RIVER NEAR RIVERTON - STATION NO 05SC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0788	5.51 B	0.781	0.434	0.732	0.300	0.158	0.198	---	---	1
2	---	---	0.0808	5.33 B	0.852	0.450	0.622	0.325	0.155	0.190	---	---	2
3	---	---	0.0808	7.07 B	1.41	0.485	0.549	0.288	0.146	0.190	---	---	3
4	---	---	0.0618	8.05 B	1.84	0.385	0.482	0.252	0.150	0.187	---	---	4
5	---	---	0.0828	7.11 B	1.77	0.330	0.418	0.224	0.165	0.188	---	---	5
6	---	---	0.0828	6.85 B	1.85	0.300	0.380	0.215	0.210	0.192	---	---	6
7	---	---	0.0938	6.86 B	1.89	0.360	0.387	0.202	0.202	0.203	---	---	7
8	---	---	0.0948	5.76 B	1.88	1.69	0.329	0.214	0.178	0.207	---	---	8
9	---	---	0.0998	3.89 B	1.73	1.23	0.313	0.214	0.211	0.211	---	---	9
10	---	---	0.0948	3.00 B	1.58	0.880	0.314	0.218	0.253	0.198	---	---	10
11	---	---	0.0858	1.88	1.62	0.698	0.232	0.206	0.282	0.218	---	---	11
12	---	---	0.0738	1.61	1.44	0.618	0.181	0.188	0.262	0.236	---	---	12
13	---	---	0.0588	1.54	1.34	0.585	0.210	0.195	0.258	0.241	---	---	13
14	---	---	0.0478	1.38	1.22	0.540	0.271	0.178	0.301	0.248	---	---	14
15	---	---	0.0548	1.18	1.10	0.518	0.291	0.180	0.327	0.268	---	---	15
16	---	---	0.0418	0.908	1.00	0.458	0.280	0.190	0.283	0.362	---	---	16
17	---	---	0.0518	0.823	0.858	0.424	0.267	0.183	0.242	0.584	---	---	17
18	---	---	0.0638	0.717	0.883	0.371	0.275	0.183	0.201	0.635	---	---	18
19	---	---	0.0828	0.708	0.868	0.373	0.260	0.181	0.198	0.732	---	---	19
20	---	---	0.0718	0.887	0.818	0.348	0.257	0.177	0.187	0.888	---	---	20
21	---	---	0.0618	0.836	0.824	0.358	0.252	0.178	0.188	1.87	---	---	21
22	---	---	0.0658	0.588	0.787	0.364	0.242	0.185	0.218	1.75	---	---	22
23	---	---	0.0888	0.589	0.727	4.07	0.228	0.185	0.334	1.43	---	---	23
24	---	---	0.0958	0.564	0.858	8.70	0.232	0.190	0.336	1.20	---	---	24
25	---	---	0.1188	0.555	0.640	5.28	0.214	0.193	0.298	1.09	---	---	25
26	---	---	0.1338	0.536	0.686	2.80	0.211	0.182	0.270	0.978	---	---	26
27	---	---	0.6048	0.808	0.631	1.75	0.213	0.178	0.240	0.9108	---	---	27
28	---	---	1.46 B	0.612	0.572	1.27	0.218	0.184	0.230	0.8698	---	---	28
29	---	---	1.83 B	0.620	0.495	0.957	0.212	0.184	0.204	0.8318	---	---	29
30	---	---	2.74 B	0.781	0.428	0.788	0.223	0.170	0.187	0.7228	---	---	30
31	---	---	3.86 B		0.408		0.231	0.162		0.6148	---	---	31
TOTAL	---	---	12.696	78.883	33.439	37.886	9.528	6.320	6.876	18.686	---	---	TOTAL
MEAN	---	---	0.410	2.67	1.08	1.26	0.307	0.204	0.229	0.602	---	---	MEAN
MAX	---	---	3.86	8.88	1.89	8.70	0.732	0.325	0.335	1.75	---	---	MAX
MIN	---	---	0.041	0.536	0.408	0.300	0.181	0.162	0.146	0.189	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.838
MAXIMUM DAILY, 8.888 ON APR 7
MINIMUM DAILY, 0.0418 ON MAR 16
MAXIMUM INSTANTANEOUS,
8.778 AT 15:48 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 35 N
LONG 97 02 10 W
DRAINAGE AREA, 1 140 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	823
FEB	---	AUG	545
MAR 1 100		SEP	594
APR 6 810		OCT 1 610	
MAY 2 880		NOV	---
JUN 3 270		DEC	---

TOTAL DISCHARGE, 17 700 dam³

ISLAND LAKE NEAR ISLAND LAKE - STATION NO 06AC002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	228.086	228.012	227.947	227.883	228.027	228.317	228.386	228.315	228.111	227.992	227.884	227.941	1
2	228.086	228.007	227.943	227.880	228.034	228.315	228.401	228.307	228.109	227.975	227.924	227.936	2
3	228.070	228.003	227.944	227.868	228.036	228.314	228.383	228.300	228.104	227.977	227.937	227.933	3
4	228.068	227.997	227.940	227.864	228.043	228.320	228.400	228.294	228.088	227.978	227.907	227.936	4
5	228.066	227.995	227.933	227.863	228.047	228.326	228.397	228.295	228.089	227.980	227.897	227.934	5
6	228.062	227.988	227.931	227.863	228.056	228.329	228.396	228.295	228.080	227.972	227.915	227.937	6
7	228.061A	227.983	227.928	227.863	228.070	228.338	228.398	228.293	228.082	227.971	227.930	227.942	7
8	228.058E	227.987	227.926	227.864	228.086	228.328	228.390	228.284	228.077	227.970	227.914	227.945	8
9	228.054A	227.995	227.923	227.867	228.101	228.326	228.378	228.285	228.068	227.967	227.914	227.947	9
10	228.051E	227.993	227.91A	227.869	228.116	228.321	228.378	228.287	228.062	227.971	227.924	227.951	10
11	228.052E	227.989	227.917	227.883	228.126	228.322	228.378	228.283	228.056	227.974	227.924	227.951	11
12	228.049E	227.986	227.916	227.886	228.141	228.328	228.378	228.274	228.057	227.987	227.920	227.948	12
13	228.044E	227.982	227.914	227.878	228.154	228.323	228.378	228.270	228.048	227.987	227.920	227.951	13
14	228.042E	227.978	227.911	227.886	228.168	228.324	228.378	228.253	228.044	227.981	227.918	227.958	14
15	228.040A	227.980	227.908	227.894	228.183	228.321	228.369	228.234	228.013	227.982	227.918	227.957	15
16	228.038A	227.982	227.908	227.903	228.198	228.321	228.374	228.241	227.994	227.987	227.912	227.949	16
17	228.037A	227.978	227.908	227.911	228.204	228.320	228.377	228.233	227.988	227.988	227.917	227.948	17
18	228.034	227.978	227.908	227.919	228.213	228.324	228.384	228.228	227.988	227.981	227.919	227.948	18
19	228.031	227.974	227.905	227.926	228.225	228.325	228.347	228.225	228.012	227.974	227.921	227.948	19
20	228.029	227.973	227.901	227.932	228.241	228.324	228.381	228.204	228.010	227.988	227.922	227.948	20
21	228.026	227.972	227.897	227.940	228.238	228.327	228.361	228.184	228.011	227.985	227.921	227.948	21
22	228.024	227.972	227.896	227.948	228.262	228.332	228.340	228.188	228.003	227.987	227.922	227.944	22
23	228.028	227.984	227.893	227.954	228.283	228.350	228.335	228.184	228.008	227.984	227.924	227.942	23
24	228.025	227.982	227.891	227.957	228.274	228.383	228.344	228.181	228.008	227.982	227.923	227.941	24
25	228.014	227.987	227.887	227.980	228.276	228.381	228.384	228.174	228.003	227.984	227.923	227.938	25
26	228.012	227.988	227.885	227.988	228.280	228.388	228.388	228.178	227.988	227.980	227.926	227.938	26
27	228.013	227.985	227.881	227.981	228.284	228.394	228.383	228.173	227.982	227.937	227.938	227.938	27
28	228.011	227.982	227.878	228.002	228.288	228.388	228.347	228.183	227.993	227.933	227.940	227.935	28
29	228.010	227.980	227.875	228.015	228.288	228.400	228.338	228.127	227.984	227.908	227.943	227.938	29
30	228.012		227.888	228.020	228.308	228.401	228.332	228.077	227.982	227.886	227.941	227.938	30
31	228.010		227.868		228.314		228.324	228.088		227.937		227.934	31
MEAN	228.039	227.980	227.906	227.910	228.178	228.340	228.368	228.230	228.037	227.984	227.922	227.943	MEAN
MAX	228.070	228.012	227.947	228.020	228.314	228.401	228.401	228.315	228.111	227.992	227.943	227.958	MAX
MIN	228.010	227.950	227.868	227.863	228.027	228.314	228.324	228.077	227.982	227.886	227.884	227.933	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 228.089
MAXIMUM DAILY, 228.401 ON JUN 30
MINIMUM DAILY, 227.863 ON APR 5
MAXIMUM INSTANTANEOUS,
228.404 AT 08:44 CST ON JUN 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 52 00 N
LONG 94 40 26 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO MANITOBA-ONTARIO BOUNDARY SURVEY DATUM

ISLAND LAKE RIVER NEAR ISLAND LAKE - STATION NO. 05AC007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	59.1	52.6	55.2	45.9	84.2	108	123	107	74.8	60.2	46.2	54.5	1
2	58.1	51.8	54.8	45.8	85.0	107	124	106	74.4	59.4	52.7	54.2	2
3	59.6	51.4	54.8	45.3	85.5	107	122	104	73.8	58.5	54.1	53.8	3
4	59.3	50.7	54.5	45.0	85.2	106	124	103	72.8	58.7	50.8	53.8	4
5	59.2	50.5	53.8	44.8	86.6	109	123	103	72.0	58.9	49.7	53.7	5
6	58.6	50.8	53.4	44.9	87.8	110	124	103	72.0	58.0	51.7	54.1	6
7	58.4A	50.3	53.1	44.8	88.6	112	124	103	71.1	57.9	52.3	54.8	7
8	58.1E	50.6	52.8	44.9	71.8	110	123	103	70.5	57.7	51.5	54.9	8
9	57.6A	50.5	52.6	46.2	73.4	110	120	102	69.4	57.4	51.5	55.3	9
10	57.2E	50.3	52.0	46.5	76.3	108	120	102	68.5	57.6	52.7	55.7	10
11	57.3E	59.5	51.9	46.9	76.6	109	120	101	67.6	58.2	52.6	55.7	11
12	56.9E	59.6	51.8	48.4	78.4	110	118	99.5	66.0	59.6	52.3	55.1	12
13	56.3E	59.1	51.5	47.3	80.4	109	118	96.7	66.9	59.8	52.3	55.7	13
14	56.1E	58.7	51.2	48.4	82.1	109	120	95.7	66.3	59.0	52.1	56.4	14
15	55.6A	58.9	50.7	49.4	84.6	109	118	92.6	62.7	59.1	52.0	56.3	15
16	55.6A	59.1	50.9	50.4	86.6	108	118	93.6	60.6	59.7	51.3	55.4	16
17	55.4A	58.7	50.9	51.2	87.6	108	118	92.4	61.0	59.6	51.6	55.1	17
18	55.1	58.7	50.9	52.1	89.0	109	117	91.7	60.8	59.0	52.1	55.3	18
19	54.7	58.2	50.6	52.7	91.0	109	116	91.0	62.4	58.3	52.3	55.1	19
20	54.4	58.1	50.1	53.6	92.7	109	116	87.7	62.2	57.6	52.6	55.1	20
21	54.1	58.0	49.7	54.5	93.2	110	116	84.6	62.3	57.2	52.3	55.1	21
22	53.8	57.9	49.5	55.4	95.6	111	113	85.2	61.5	58.3	52.5	54.6	22
23	54.4	57.1	49.3	56.0	97.4	114	111	84.6	63.0	54.3	52.7	54.7	23
24	53.6	56.8	49.0	56.4	99.5	117	113	84.2	62.0	55.6	52.5	54.5	24
25	52.6	56.3	48.6	56.6	99.9	120	117	83.1	61.4	56.0	52.5	54.3	25
26	52.4	56.4	48.4	57.5	101	121	116	83.4	59.6	55.6	53.9	54.4	26
27	52.6	56.2	47.6	59.0	101	122	116	82.9	59.1	54.1	54.4	54.3	27
28	52.3	55.7	47.6	61.3	102	124	113	80.2	60.3	52.6	54.4	53.9	28
29	52.2	55.6	47.3	62.6	104	124	112	78.8	60.5	51.0	54.7	54.0	29
30	52.4		46.6	63.4	104	124	111	76.4	60.2	48.6	54.6	54.0	30
31	52.3		46.4		107		109	72.8		54.1		53.7	31
TOTAL	2 036.8	1 706.7	1 677.5	1 532.2	2 841.9	3 366	3 852	2 886.0	1 967.1	1 766.8	1 572.0	1 697.3	TOTAL
MEAN	65.7	58.9	50.9	51.1	85.2	112	118	92.5	65.6	57.1	52.4	54.6	MEAN
MAX	59.6	52.6	55.2	63.4	107	124	124	107	74.8	60.2	54.7	55.4	MAX
MIN	52.2	55.6	46.4	44.8	84.2	107	109	70.4	59.1	48.6	46.2	53.6	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 72.1
MAXIMUM DAILY, 124 ON JUN 26
MINIMUM DAILY, 44.8 ON APR 5
MAXIMUM INSTANTANEOUS,
126 AT 05:44 CST ON JUN 30

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 03 34 N
LONG 94 39 34 W
DRAINAGE AREA, 14 000 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	178 000	JUL	318 000
FEB	148 000	AUG	248 000
MAR	136 000	SEP	170 000
APR	132 000	OCT	153 000
MAY	226 000	NOV	136 000
JUN	291 000	DEC	147 000

TOTAL DISCHARGE, 2 280 000 dam³

JACKFISH LAKE ABOVE JACKFISH LAKE DAM - STATION NO. 05LJ807

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	885.310	885.884	885.782	885.002	884.917	885.035	---	---	1
2	---	---	---	---	885.332	885.884	885.706	885.002	884.917	885.038	---	---	2
3	---	---	---	---	885.331	885.926	885.648	885.002	884.917	885.035	---	---	3
4	---	---	---	---	885.327	885.905	885.587	884.999	884.916	885.039	---	---	4
5	---	---	---	---	885.343	885.902	885.523	884.998	884.911	885.042	---	---	5
6	---	---	---	---	885.357	885.906	885.458	884.995	884.914	885.042	---	---	6
7	---	---	---	---	885.359	885.928	885.395	884.990	884.932	885.042	---	---	7
8	---	---	---	---	885.352	885.957	885.328	884.984	884.944	885.045	---	---	8
9	---	---	---	---	885.371	885.898	885.273	884.981	884.944	885.042	---	---	9
10	---	---	---	---	885.388	885.878	885.208	884.976	884.944	885.048	---	---	10
11	---	---	---	---	885.404	885.861	885.133	884.971	884.947	885.036	---	---	11
12	---	---	---	---	885.423	885.872	885.084	884.971	884.971	884.917	---	---	12
13	---	---	---	---	885.447	885.887	884.999	884.988	884.981	884.801	---	---	13
14	---	---	---	---	885.459	885.890	885.011	884.985	884.981	884.879	---	---	14
15	---	---	---	---	885.468	885.890	885.011	884.982	884.981	884.740	---	---	15
16	---	---	---	---	885.477	885.857	885.017	884.985	884.981	884.828	---	---	16
17	---	---	---	---	885.480	885.885	885.020	884.983	884.981	884.880	---	---	17
18	---	---	---	885.208A	885.806	885.888	885.020	884.988	884.981	884.885	---	---	18
18	---	---	---	885.213	885.817	885.888	885.020	884.986	884.981	884.889	---	---	19
20	---	---	---	885.215	885.832	885.911	885.017	884.983	884.978	884.923	---	---	20
21	---	---	---	885.221	885.857	885.888	885.017	884.980	884.988	884.941	---	---	21
22	---	---	---	885.234	885.868	885.888	885.020	884.987	885.023	884.988	---	---	22
23	---	---	---	885.228	885.878	885.932	885.014	884.984	885.023	884.978	---	---	23
24	---	---	---	885.228	885.831	885.883	885.011	884.984	885.028	884.883	---	---	24
25	---	---	---	885.234	885.845	885.880	885.011	884.980	885.028	885.002	---	---	25
26	---	---	---	885.237	885.883	885.886	885.008	884.987	885.032	885.028	---	---	26
27	---	---	---	885.243	885.878	885.941	885.002	884.987	885.032	885.048	---	---	27
28	---	---	---	885.261	885.888	885.886	885.002	884.984	885.028	885.048	---	---	28
29	---	---	---	885.270	885.886	885.862	884.998	884.936	885.032	885.048	---	---	29
30	---	---	---	885.288	885.862	885.891	885.008	884.938	885.032	885.048A	---	---	30
31	---	---	---		885.815		885.008	884.930		---		---	31
MEAN	---	---	---	---	885.488	885.748	885.170	884.985	884.978	---	---	---	MEAN
MAX	---	---	---	---	885.888	885.953	885.782	885.002	885.032	---	---	---	MAX
MIN	---	---	---	---	885.310	885.902	884.998	884.930	884.911	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 33 56 N
LONG 100 46 05 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

JACKSON CREEK NEAR MELITA - STATION NO 05NP015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.08	0.08	0	0	0	0	0	0	---	---	1
2	---	---	0.08	0.08	0	0	0	0	0	0	---	---	2
3	---	---	0.08	0.08	0	0	0	0	0	0	---	---	3
4	---	---	0.08	0.08	0	0	0	0	0	0	---	---	4
5	---	---	0.08	0.08	0	0	0	0	0	0	---	---	5
6	---	---	0.08	0	0	0	0	0	0	0	---	---	6
7	---	---	0.08	0	0.009	0	0	0	0	0	---	---	7
8	---	---	0.08	0	0.010	0	0	0	0	0	---	---	8
9	---	---	0.08	0	0.012	0	0	0	0	0	---	---	9
10	---	---	0.08	0	0.007	0	0	0	0	0	---	---	10
11	---	---	0.08	0	0.005	0	0	0	0	0	---	---	11
12	---	---	0.08	0	0.003	0	0	0	0	0	---	---	12
13	---	---	0.08	0	0.001	0	0	0	0	0	---	---	13
14	---	---	0.08	0	0.001	0	0	0	0	0	---	---	14
15	---	---	0.08	0	0	0.001	0	0	0	0	---	---	15
16	---	---	0.08	0	0	0.003	0	0	0	0	---	---	16
17	---	---	0.08	0	0	0.003	0	0	0	0	---	---	17
18	---	---	0.08	0	0	0.001	0	0	0	0	---	---	18
19	---	---	0.08	0	0	0.001	0	0	0	0	---	---	19
20	---	---	0.08	0	0	0	0	0	0	0	---	---	20
21	---	---	0.08	0	0	0	0	0	0	0	---	---	21
22	---	---	0.08	0	0	0	0	0	0	0	---	---	22
23	---	---	0.08	0	0	0	0	0	0	0	---	---	23
24	---	---	0.08	0	0	0	0	0	0	0	---	---	24
25	---	---	0.08	0	0	0	0	0	0	0	---	---	25
26	---	---	0.08	0	0	0	0	0	0	0	---	---	26
27	---	---	0.08	0	0	0	0	0	0	0	---	---	27
28	---	---	0.08	0	0	0	0	0	0	0	---	---	28
29	---	---	0.08	0	0	0	0	0	0	0	---	---	29
30	---		0.08	0	0	0	0	0	0	0	---	---	30
31	---		0.08		0		0	0		0		---	31
TOTAL	---	---	0	0	0.048	0.009	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0.002	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0.012	0.003	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.012 ON MAY 9
MINIMUM DAILY, 0.08 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.019 AT 12:48 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 18 00 N
LONG 100 57 30 W
DRAINAGE AREA, 461 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	4.15	NOV	---
JUN	0.78	DEC	---

TOTAL DISCHARGE, 4.93 dam³

JACKSON LAKE NEAR SYDNEY - STATION NO 05LL802

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	356.041	356.020E	355.948E	---	---	---	---	1
2	---	---	---	---	---	---	356.010	355.944E	---	---	---	---	2
3	---	---	---	---	---	---	356.000	355.940	---	356.380	---	---	3
4	355.784	---	---	---	---	356.011	356.000E	355.928E	---	---	---	---	4
5	---	---	---	---	356.071	356.011	356.000	355.918	356.403	---	---	---	5
6	---	---	---	356.041	---	---	356.980E	---	---	---	---	---	6
7	---	---	---	356.047E	---	---	356.980	---	---	---	---	---	7
8	---	---	---	356.054E	356.051	---	356.980E	356.898	---	---	---	---	8
9	---	---	---	356.061	356.061	---	356.980	---	---	356.470	---	---	9
10	---	---	---	---	---	---	356.995E	---	---	---	---	---	10
11	---	---	---	---	---	---	356.010	---	---	---	---	---	11
12	---	---	---	---	---	---	356.010	---	---	356.470	---	---	12
13	---	---	---	356.061	---	356.052	356.010	---	---	356.470E	---	356.004	13
14	---	---	---	356.071E	356.051	356.050	356.010E	---	---	356.470	---	---	14
15	---	---	---	356.061	356.051	356.050E	356.010	---	---	---	---	---	15
16	---	---	---	---	356.041	356.070	356.010E	---	---	---	---	---	16
17	---	---	---	---	---	356.070	356.010	---	---	356.500	---	---	17
18	---	---	---	---	---	356.065E	356.010	---	356.420	356.515	---	---	18
19	---	---	---	356.051	---	356.060	356.010E	356.588	---	356.582E	---	---	19
20	---	---	356.822	356.048E	---	---	356.010	356.558E	---	356.610	---	---	20
21	---	---	---	356.045E	356.041	---	356.003E	356.528	---	356.690	---	---	21
22	---	356.784	---	356.041	356.041E	356.040	356.998E	356.518	356.420	356.710	---	---	22
23	---	---	---	356.041	356.041	356.040	356.988	---	---	356.725E	---	---	23
24	---	---	---	---	---	356.040E	356.985E	---	---	356.740	---	---	24
25	356.718	---	---	---	---	356.040	356.982E	---	---	356.740E	---	---	25
26	---	---	---	---	---	356.040	356.978	---	---	356.740	---	---	26
27	---	---	---	---	356.041	356.040	356.970E	---	---	---	---	---	27
28	---	---	---	---	356.041E	356.040E	356.962E	---	---	---	---	---	28
29	---	---	---	356.061	356.041	356.040	356.953	---	---	---	356.974	---	29
30	---		---	---	---	356.030	356.951	---	---	---	---	---	30
31	---		---		---		356.951	---		---		---	31
MEAN	---	---	---	---	---	---	356.993	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	356.020	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	356.951	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 53 11 N
LONG 98 02 05 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED SINCE 1968

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

JOUBERT CREEK AT ST PIERRE-JOLYS - STATION NO 05OE007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.003B	1.83 B	0.209	0.080	0.879	0.088	0 E	0 E	---	---	1
2	---	---	0.003B	1.50 B	0.180	0.080	0.803	0.090	0 E	0 E	---	---	2
3	---	---	0.003B	1.31 B	0.173	0.088	0.897	0.074	0 E	0 E	---	---	3
4	---	---	0.003B	1.14 B	0.175	0.084	0.724	0.059	0 E	0 E	---	---	4
5	---	---	0.003B	1.07 B	0.175	0.081	0.638	0.048	0 E	0 E	---	---	5
6	---	---	0.003B	1.07 B	0.182	0.317	0.484	0.041	0 E	0 E	---	---	6
7	---	---	0.003B	1.15 B	0.136	0.831	0.344	0.022	0 E	0 E	---	---	7
8	---	---	0.003B	1.23 B	0.131	1.31	0.263	0.033	0 E	0 E	---	---	8
9	---	---	0.003B	0.8235	0.130	2.38	0.376	0.032	0 E	0 E	---	---	9
10	---	---	0.003B	0.3368	0.114	1.38	0.709	0.032	0 E	0 E	---	---	10
11	---	---	0.003B	0.250	0.119	1.54	1.22	0.033	0.010E	0 E	---	---	11
12	---	---	0.003B	0.288	0.126	1.45	0.878	0.032	0.038A	0 E	---	---	12
13	---	---	0.003B	0.281	0.145	1.30	0.613	0.032A	0.005	0 E	---	---	13
14	---	---	0.003B	0.253	0.144	1.07	0.484	0.028Z	0.005	0 E	---	---	14
15	---	---	0.003B	0.194	0.138	0.914	0.436	0.025E	0.005	0 E	---	---	15
16	---	---	0.0058	0.165	0.126	0.815	0.354	0.022E	0.005	0 020E	---	---	16
17	---	---	0.0098	0.147	0.121	0.658	0.356	0.018E	0.005	0 030E	---	---	17
18	---	---	0.0148	0.138	0.117	0.798	0.263	0.014E	0.005	0 044A	---	---	18
19	---	---	0.0228	0.150	0.112	0.758	0.223	0.008E	0.005	0.052	---	---	19
20	---	---	0.0318	0.188	0.148	0.678	0.178	0.005E	0.005	0.048	---	---	20
21	---	---	0.0448	0.118	0.170	0.885	0.148	0.002E	0.005	0.095	---	---	21
22	---	---	0.0508	0.119	0.187	1.11	0.149	0.001E	0.005	0.077	---	---	22
23	---	---	0.0508	0.119	0.134	1.30	0.158	0.001E	0.005A	0.056	---	---	23
24	---	---	0.2118	0.120	0.135	1.38	0.128	0.001E	0.004E	0.084	---	---	24
25	---	---	0.3808	0.124	0.119	1.34	0.119	0.001E	0.004E	0.051	---	---	25
26	---	---	0.8898	0.141	0.095	1.28	0.089	0 E	0.003E	0.044	---	---	26
27	---	---	0.7658	0.202	0.129	1.38	0.096	0 E	0.002E	0.0488	---	---	27
28	---	---	1.13 B	0.277	0.082	1.33	0.088	0 E	0.001E	0.0488	---	---	28
29	---	---	1.67 B	0.232	0.073	1.24	0.078	0 E	0 E	0.0428	---	---	29
30	---		1.77 B	0.237	0.068	1.00	0.078	0 E	0 E	0.0378	---	---	30
31	---		1.59 B		0.114		0.071	0 E		0.0338		---	31
TOTAL	---	---	8.435	15.015	4.187	29.127	12.227	0.722	0.118	0.781	---	---	TOTAL
MEAN	---	---	0.272	0.501	0.135	0.971	0.394	0.023	0.004	0.026	---	---	MEAN
MAX	---	---	1.77	1.83	0.209	2.38	1.22	0.090	0.038	0.095	---	---	MAX
MIN	---	---	0.003	0.118	0.068	0.081	0.071	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN 0.288
MAXIMUM DAILY 2.38 ON JUN 9
MINIMUM DAILY 0E ON AUG 26
MAXIMUM INSTANTANEOUS
2.84 AT 08 02 CST ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 26 26 N
LONG 96 59 23 W
DRAINAGE AREA, 311 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 080
FEB	---	AUG	82.4
MAR	728	SEP	10.2
APR	1 300	OCT	68.3
MAY	362	NOV	---
JUN	2 520	DEC	---

TOTAL DISCHARGE, 6 110 dam³

KENTON CREEK AT KENTON - STATION NO 05MG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0 0038	0	0	0	0	0	0	0	---	---	23
24	---	---	0 0148	0	0	0	0	0	0	0	---	---	24
25	---	---	0 0238	0	0	0	0	0	0	0	---	---	25
26	---	---	0 0368	0	0	0	0	0	0	0	---	---	26
27	---	---	0 027A	0	0	0	0	0	0	0	---	---	27
28	---	---	0 003	0	0	0	0	0	0	0	---	---	28
29	---	---	0 002	0	0	0	0	0	0	0	---	---	29
30	---		0 002	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0 106	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0 003	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0 035	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 0368 ON MAR 26
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 59 24 N
LONG 100 36 39 W
DRAINAGE AREA, 45 8 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	9.33	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 9 33 dam³

KENTON RESERVOIR NEAR KENTON - STATION NO 05MG803

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	440 928	440 873E	440 848E	440 722E	440 522	440 481	---	---	1
2	---	---	---	---	440 937E	440 868	440 842	440 714	440 514E	440 458E	---	---	2
3	---	---	---	---	440 946	440 868E	440 838E	440 711E	440 506	440 456	---	---	3
4	---	---	---	---	440 950E	440 868	440 834	440 708	440 503E	440 451E	---	---	4
5	---	---	---	---	440 954	440 865E	440 829E	440 705E	440 499	440 446	---	---	5
6	---	---	---	440 870	440 951E	440 862	440 824	440 703	440 497E	440 452E	---	---	6
7	---	---	440 780	440 882E	440 948	440 863E	440 810E	440 697E	440 494	440 459	---	---	7
8	---	---	---	440 894	440 946E	440 864	440 795	440 692	440 493E	440 458E	---	---	8
9	---	---	---	440 888E	440 943	440 861E	440 784E	440 688E	440 492	440 456	---	---	9
10	---	---	---	440 884	440 942E	440 857	440 782	440 680	440 492E	440 451E	---	---	10
11	---	---	---	440 883E	440 941	440 853E	440 780E	440 672E	440 492	440 446	---	---	11
12	---	---	---	440 902	440 940E	440 848	440 787	440 684	440 487E	440 444E	---	---	12
13	---	---	---	440 920E	440 938	440 848E	440 785E	440 698E	440 502	440 441	---	---	13
14	---	---	---	440 938	440 935E	440 844	440 782	440 694	440 505E	440 441E	---	---	14
15	---	---	---	440 938E	440 932	440 841E	440 780E	440 647E	440 508	440 462	---	---	15
16	---	---	---	440 938E	440 931E	440 838	440 777	440 640	440 503E	440 458	---	---	16
17	---	---	---	440 938	440 930	440 845E	440 774E	440 632E	440 498	440 455E	---	---	17
18	440 778	---	---	440 935E	440 929E	440 852	440 771	440 624	440 491	440 492	---	---	18
19	---	---	---	440 930	440 927	440 850E	440 788E	440 618E	440 491	440 498E	---	---	19
20	---	---	---	440 930E	440 926E	440 848	440 785	440 614	440 487E	440 505	---	---	20
21	---	---	---	440 929	440 925E	440 844E	440 788E	440 606E	440 494	440 501E	---	---	21
22	---	---	---	440 927E	440 924E	440 840	440 770	440 594	440 490E	440 498	---	---	22
23	---	---	---	440 926	440 922	440 853E	440 774	440 587E	440 485	440 494E	---	---	23
24	---	---	---	440 925E	440 917E	440 867	440 785E	440 579	440 484E	440 491	---	---	24
25	---	---	---	440 926	440 911E	440 865E	440 786	440 574E	440 481	44C 489E	---	---	25
26	---	---	---	440 924E	440 908E	440 862	440 752E	440 585	440 479E	440 488	---	---	26
27	---	---	---	440 921	440 900	440 860E	440 748	440 582E	440 478	---	---	---	27
28	---	---	---	440 925E	440 894E	440 857	440 743E	440 554	440 472E	---	440 500	---	28
29	---	---	---	440 928	440 887	440 858E	440 736	440 547E	440 468	---	---	---	29
30	---		---	440 926E	440 882E	440 854	440 734E	440 539	440 465E	---	---	---	30
31	---		---		440 877		440 730	440 531E		---		---	31
MEAN	---	---	---	---	440 926	440 858	440 783	440 635	440 492	---	---	---	MEAN
MAX	---	---	---	---	440 954	440 873	440 848	440 722	440 522	---	---	---	MAX
MIN	---	---	---	---	440 877	440 838	440 730	440 531	440 465	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 56 34 N
LONG 100 36 04 W
DATA CONTRIBUTED BY - MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KETTLE RIVER NEAR GILLAM - STATION NO 05UF004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4 658	2 628	1 718	1 138	42 8	48 4	13 9	3 18	1 48	3 98	3 73	3 288	1
2	4 588	2 588	1 688	1 158	41 1	45 5	13 1	2 84	1 41	4 22	3 80	3 238	2
3	4 508	2 538	1 648	1 228	39 6	44 7	12 8	2 84	1 35	4 09	3 87	3 198	3
4	4 488	2 498	1 608	1 258	39 2	42 8	12 0	2 52	1 33	4 00	3 98	3 148	4
5	4 398	2 428	1 588	1 288	38 3	41 2	11 2	2 20	1 28	4 05	4 02	3 108	5
6	4 318	2 388	1 558	1 418	38 8	39 6	10 6	2 00A	1 08	4 47	4 14	3 078	6
7	4 258	2 368	1 538	1 50	38 6	37 3	9 87	1 95E	1 10	4 49	4 088	3 038	7
8	4 188	2 328	1 528	1 94	38 7	38 6	9 66	1 93E	1 38	4 43	4 028	2 988	8
9	4 118	2 298	1 508	1 88	37 2	38 5	9 31	1 89E	1 38	4 41	4 008	2 948	9
10	4 048	2 268	1 498	1 98	38 5	38 2	8 80	1 87E	1 31	4 42	3 958	2 918	10
11	3 978	2 218	1 478	2 81	38 5	38 0	8 35	1 85E	1 27	4 41	3 938	2 898	11
12	3 908	2 198	1 468	4 70	38 7	34 2	7 84	1 81E	1 26	4 52	3 888	2 878	12
13	3 818	2 148	1 448	5 61	36 6	33 3	7 34	1 77E	1 28	4 53	3 868	2 858	13
14	3 748	2 128	1 438	5 78	38 2	31 8	6 77	1 73E	1 31	4 55	3 818	2 808	14
15	3 678	2 108	1 418	5 14	42 0	30 3	6 24	1 65A	1 31	4 52	3 788	2 788	15
16	3 588	2 088	1 388	5 45	53 2	28 3	5 71	1 54	1 31	4 36	3 778	2 738	16
17	3 498	2 048	1 358	5 74	70 1	28 3	5 48	1 50	1 33	4 36	3 728	2 698	17
18	3 438	2 008	1 348	10 6	85 2	28 6	5 21	1 58	1 41	4 47	3 678	2 668	18
19	3 358	1 988	1 328	18 8	87 0	28 3	5 01	1 60	1 43	4 42	3 638	2 628	19
20	3 308	1 958	1 318	27 1	82 4	24 1	4 80	1 34	1 47	4 18	3 608	2 588	20
21	3 268	1 918	1 288	35 4	78 7	23 7	4 31	1 44	1 48	4 00	3 548	2 558	21
22	3 218	1 898	1 258	39 8	80 5	21 7	4 18	1 45	1 44	3 87	3 538	2 538	22
23	3 188	1 878	1 228	36 8	80 2	20 2	4 18	1 37	1 52	4 10	3 488	2 518	23
24	3 128	1 858	1 198	40 7	78 0	18 3	3 91	1 30	1 58	4 12	3 478	2 488	24
25	3 068	1 838	1 188	43 1	78 7	17 8	3 78	1 32	1 58	3 98	3 448	2 488	25
26	2 988	1 818	1 168	42 7	73 2	17 4	3 83	1 43	1 70	4 32	3 428	3 408	26
27	2 918	1 788	1 158	42 3	68 0	18 4	3 44	1 51	1 79	4 46	3 378	3 388	27
28	2 858	1 778	1 138	38 8	64 8	18 7	3 26	1 55	2 01	4 06	3 338	3 358	28
29	2 788	1 758	1 138	38 0	60 8	18 2	3 07	1 47	3 83	4 07	3 308	3 348	29
30	2 718		1 128	40 8	56 7	14 4	3 54	1 43	3 98	3 93	3 288	3 328	30
31	2 668		1 128		52 3		3 83	1 60		3 98		3 298	31
TOTAL	113 38	81 50	42 82	507 83	1 725 8	887 5	214 88	85 34	67 37	131 87	111 50	84 89	TOTAL
MEAN	3 63	2 12	1 37	16 9	55 7	29 6	6 92	1 79	1 88	4 25	3 72	2 74	MEAN
MAX	4 65	2 82	1 71	43 1	87 0	48 4	13 9	3 18	3 85	4 55	4 14	3 24	MAX
MIN	2 66	1 76	1 13	1 13	36 5	14 4	3 07	1 30	1 08	3 93	3 28	2 28	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 10 9
MAXIMUM DAILY, 87.0 ON MAY 19
MINIMUM DAILY, 1 08 ON SEP 6
MAXIMUM INSTANTANEOUS,
88 5 AT 00:01 CST ON MAY 19

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 59 20 40 N
LONG 94 41 00 W
DRAINAGE AREA, 1 990 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	9 710	JUL	18 500
FEB	5 310	AUG	4 780
MAR	3 680	SEP	4 080
APR	43 900	OCT	11 400
MAY	148 000	NOV	8 630
JUN	76 700	DEC	7 330

TOTAL DISCHARGE, 344 000 dam³

KILLARNEY LAKE AT KILLARNEY - STATION NO. 05QA003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	491.885	491.880	491.875	---	492.483E	492.507E	492.378E	492.189	---	---	491.883	492.910E	1
2	491.885E	491.862E	491.878E	---	492.543	492.507E	492.378E	492.183E	---	491.831	491.883E	492.908	2
3	491.885E	491.885E	491.878E	---	492.543E	492.507	492.377	492.187E	---	491.815E	491.883E	492.908E	3
4	491.886	491.887E	491.877	492.507	492.543E	492.513E	492.376E	492.188	492.001	491.808E	491.883	492.908E	4
5	491.885E	491.870	491.877E	492.333E	492.543E	492.530E	492.374E	492.176E	491.981E	491.801	491.883E	492.908	5
6	491.885E	491.870E	491.877	492.388E	492.862	492.527	492.372	491.186E	491.981	491.801E	491.883E	492.908E	6
7	491.885E	491.870E	491.877	492.385E	492.881E	---	492.368E	492.188	---	491.801E	491.883	492.908E	7
8	491.885	491.880	491.878E	492.411	492.881E	---	492.368E	492.184E	---	491.801E	491.883E	492.908E	8
9	491.883E	491.888E	491.878E	492.430E	492.871	---	492.361E	492.187E	---	491.801	491.883E	492.908	9
10	491.885E	491.888E	491.874E	492.458E	492.871E	---	492.357	492.138	---	491.818	491.883E	492.908E	10
11	491.885	491.884E	491.872	492.470	492.871E	---	492.351E	492.138E	492.011	491.830E	491.883	492.908E	11
12	491.884E	491.883	491.871E	492.445E	492.871E	492.492	492.348E	492.138E	492.008E	491.843	491.887E	492.908	12
13	491.883E	491.883E	491.888E	492.419E	492.870	492.488E	492.338	492.136E	492.006E	491.851E	491.881E	492.908E	13
14	491.883E	491.882E	491.887	492.394E	492.870E	492.487E	492.328E	492.138	492.001	491.858E	491.874	492.908E	14
15	491.880	491.882	491.887E	492.388	492.870E	492.800	492.318E	492.137E	491.998E	491.867E	491.874E	492.908E	15
16	491.880E	491.883E	491.887E	492.374E	492.888	492.483E	492.308E	492.126E	491.991E	491.875E	491.874E	492.908	16
17	491.880E	491.882E	491.887E	492.369E	492.884E	492.483E	492.298	492.121	491.988E	491.883	491.874E	492.908E	17
18	491.880	491.882E	491.887	492.387	492.888E	492.478E	492.288E	492.120E	491.981	491.888E	491.874	492.908E	18
19	491.878E	491.882	491.878E	492.384E	492.884E	492.486	492.272E	492.126E	491.984E	491.888E	491.874E	492.908	19
20	491.878E	491.882E	491.873E	492.401E	492.868	492.458E	492.258	492.147E	491.987E	492.003	491.874E	492.908E	20
21	491.877E	491.882E	491.877	492.408E	492.868E	492.448E	492.254E	492.158	491.981	---	491.874	492.908E	21
22	491.876	491.882	491.887E	492.418	492.867	492.438	492.248E	492.148E	---	---	491.874E	492.908E	22
23	491.878E	491.884E	491.923E	492.448E	492.827	492.428E	492.244E	492.140E	---	---	491.874E	492.908	23
24	491.878E	491.887E	491.887E	492.462E	492.827E	492.421E	492.238	492.131	---	---	491.874E	492.908E	24
25	491.875	491.888E	491.887	492.518	492.827E	492.414E	492.233E	---	---	---	491.874	492.908E	25
26	491.875E	491.872	---	492.488E	492.827E	492.408	492.228E	---	---	---	491.884E	492.908	26
27	491.875E	491.873E	---	492.488E	492.827	492.398E	492.218	---	---	---	491.884E	492.908E	27
28	491.878E	491.874E	---	492.428E	492.821E	492.388E	492.218E	---	---	---	492.004	492.907E	28
29	491.875	---	---	492.384	492.814E	492.378	492.211E	---	---	491.883	492.013	492.908E	29
30	491.870E		---	492.443E	492.807	492.378E	492.207E	---	---	491.883E	492.012E	492.908E	30
31	491.868E		---		492.807E		492.203	---		491.883E		492.904	31
MEAN	491.883	---	---	---	492.545	---	492.300	---	---	---	491.886	492.908	MEAN
MAX	491.895	---	---	---	492.871	---	492.377	---	---	---	492.013	492.910	MAX
MIN	491.885	---	---	---	492.483	---	492.203	---	---	---	491.874	492.904	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 20 N
LONG 99 40 12 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

KISKITTO LAKE NEAR NORWAY HOUSE - STATION NO 05UD013

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	213.218	213.435	213.535	213.511	---	---	213.264	213.316	213.325	1
2	---	---	---	213.217	213.439	213.524	213.504	---	---	213.240	213.301	213.314	2
3	---	---	---	213.209	213.443	213.515	213.506	---	---	213.236	213.313	213.330	3
4	---	---	---	213.210	213.448	213.508	213.493	---	---	213.218	213.316	213.317	4
5	---	---	---	213.221	213.462	213.487	213.480	---	---	213.246	213.318	213.318	5
6	---	---	---	213.218	213.462	213.482	213.478	---	---	213.255	213.318	213.317	6
7	---	---	---	213.224	213.467	213.420	213.472	---	---	213.258	213.320	213.328	7
8	---	---	---	213.226	213.473	213.454	213.466	---	---	213.256	213.306	213.324	8
9	---	---	---	213.222	213.466	213.467	213.463	---	---	213.259	213.314	213.319	9
10	---	---	---	213.241	213.469	213.522	213.477	---	---	213.264	213.313	213.321	10
11	---	---	---	212.248	213.477	213.484	213.484	---	---	213.248	213.315	213.310	11
12	---	---	---	213.271	213.480	213.477	213.481	---	---	213.247	213.312	213.298	12
13	---	---	---	212.289	213.486	213.502	213.431	---	---	213.263	213.313	213.298	13
14	---	---	---	213.302	213.481	213.507	213.390	---	---	213.267	213.306	213.310	14
15	---	---	---	213.308	213.487	213.514	213.432	---	---	213.262	213.316	213.310	15
16	---	---	---	213.310	213.485	213.496	213.447	---	---	213.220	213.317	213.293	16
17	---	---	---	213.335	213.488	213.488	213.458	---	---	213.286	213.322	213.295	17
18	213.417A	---	---	213.335	213.479	213.481	213.448	---	---	213.277	213.306	213.295	18
19	---	---	---	213.333	213.427	213.507	213.435	---	---	213.284	213.303	213.302	19
20	---	---	---	213.338	213.486	213.506	213.438	---	---	213.278	213.316	213.289	20
21	---	---	213.281A	213.386	213.507	213.503	213.432	---	---	213.283	213.325	213.295	21
22	---	---	213.260	213.385	213.506	213.510	213.474	---	---	213.287	213.327	213.291	22
23	---	---	213.243	213.382	213.500	213.500	213.488	---	---	213.298	213.320	213.288	23
24	---	---	213.234	213.389	213.478	213.508	213.468	---	---	213.284	213.323	213.287	24
25	---	---	213.236	213.382	213.513	213.500	213.434	---	---	213.273	213.327	213.288	25
26	---	---	213.234	213.427	213.503	213.504	213.434A	---	---	213.314	213.341	213.291	26
27	---	---	213.238	213.406	213.510	213.498	---	---	213.284A	213.314	213.343	213.291	27
28	---	---	213.242	213.424	213.516	213.514	---	---	213.286	213.311	213.338	213.285	28
29	---	---	213.238	213.430	213.521	213.516	---	---	213.282	213.312	213.333	213.287	29
30	---		213.238	213.432	213.523	213.523	---	---	213.262	213.305	213.331	213.278	30
31	---		213.227		213.523		---	---		213.302		213.288	31
MEAN	---	---	---	213.308	213.483	213.500	---	---	---	213.269	213.318	213.302	MEAN
MAX	---	---	---	213.433	213.523	213.532	---	---	---	213.314	213.343	213.330	MAX
MIN	---	---	---	213.209	213.435	213.420	---	---	---	213.218	213.301	213.288	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 213.532 ON JUN 10

MAXIMUM INSTANTANEOUS,
213.581 AT 23:00 CST ON MAY 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 15 10 N
LONG 98 26 20 W

A - MANUAL GAUGE

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EST.)

KISKITTOGISU LAKE NEAR NORWAY HOUSE - STATION NO 05UB007

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	218.743	217.420	217.833	217.399	216.928	217.023	216.672	216.126	1
2	---	---	---	---	218.824	217.478	217.812	217.410	217.034	217.018	216.628	216.135	2
3	---	---	---	---	218.822	217.436	217.803	217.433	217.111	216.980	216.384	216.148	3
4	---	---	---	---	217.008	217.412	217.351	217.453	217.137	216.934	216.388	216.158	4
5	---	---	---	---	217.072	217.384	217.303	217.458	217.178	217.018	216.378	216.165	5
6	---	---	---	---	217.107	217.351	217.320	217.480	217.205	217.043	216.374	216.180	6
7	---	---	---	---	217.070	217.288	217.425	217.451	217.388	217.011	216.380	216.193	7
8	---	---	---	---	217.044	217.233	217.351	217.431	217.143	216.994	216.388	216.197	8
9	---	---	---	---	217.101	217.143	217.541	217.358	216.984	217.031	216.398	216.201	9
10	---	---	---	---	217.158	217.228	217.484	217.291	216.994	217.083	216.387	216.198	10
11	---	---	---	---	217.128	217.282	217.467	217.448	217.051	217.083	216.388	216.192	11
12	---	---	---	---	217.141	217.288	217.443	217.513	217.104	217.118	216.380	216.178	12
13	---	---	---	---	217.187	217.288	217.433	217.488	217.078	217.171	216.307	216.183	13
14	---	---	---	---	217.217	217.383	217.414	217.437	217.015	217.181	216.278	216.183	14
15	---	---	---	---	217.288	217.431	217.337	217.342	217.038	217.082	216.247	216.141	15
16	---	---	---	---	217.387	217.483	217.328	217.288	217.092	217.048	216.201	216.125	16
17	---	---	---	---	217.428	217.370	217.324	217.282	217.183	217.147	216.188	216.104	17
18	216.936A	---	---	---	217.382	217.315	217.380	217.280	217.132	217.177	216.181	216.093	18
19	---	---	---	---	217.243	217.328	217.368	217.418	217.080	217.017	216.172	216.083	19
20	---	---	---	---	217.284	217.374	217.378	217.478	217.028	216.763	216.181	216.087	20
21	---	---	216.842A	---	217.384	217.418	217.487	217.310	217.003	216.731	216.189	216.088	21
22	---	---	---	---	217.271	217.421	217.468	217.210	216.741	216.788	216.189	216.081	22
23	---	---	---	---	217.187	217.362	217.328	217.286	216.881	216.788	216.204	216.048	23
24	---	---	---	---	217.138	217.314	217.330	217.427	216.833	216.748	216.202	216.036	24
25	---	---	---	---	217.180	217.330	217.374	217.480	216.788	216.801	216.183	216.022	25
26	---	---	---	---	217.218	217.382	217.413	217.428	216.828	216.810	216.180	216.008	26
27	---	---	---	---	217.262	217.384	217.438	217.408	216.846	216.833	216.158	216.001	27
28	---	---	---	---	217.331	217.448	217.482	217.388	216.881	216.818	216.145	215.984	28
29	---	---	---	---	217.388	217.533	217.507	217.382	216.897	216.880	216.123	215.986	29
30	---	---	---	216.888A	217.453	217.632	217.480	217.173	216.950	216.928	216.118	215.953	30
31	---		---		217.418		217.409	216.918		216.873		215.936	31
MEAN	---	---	---	---	217.187	217.383	217.426	217.388	217.001	216.923	216.272	216.089	MEAN
MAX	---	---	---	---	217.453	217.632	217.833	217.513	217.386	217.177	216.672	216.201	MAX
MIN	---	---	---	---	216.743	217.143	217.303	216.918	216.581	216.873	216.118	215.936	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 21 45 N
LONG 98 07 27 W

MAXIMUM DAILY, 217.833 ON JUL 1

MAXIMUM INSTANTANEOUS,
217.880 AT 10:00 CST ON JUN 30

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1968 ADJ)

KISSISSING LAKE AT COLD LAKE - STATION NO 06EA003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	30.320	---	---	30.484	---	---	---	---	---	1
2	---	---	---	30.316	---	---	30.485	---	---	---	---	---	2
3	---	---	---	30.313	---	---	30.487	---	---	---	---	---	3
4	---	---	---	30.314	---	---	30.486	---	---	---	---	---	4
5	---	---	---	30.316	---	---	30.486	---	---	---	---	---	5
6	---	---	---	30.322	---	---	30.486	---	---	---	---	---	6
7	---	---	---	30.320	---	---	30.486	---	---	---	---	---	7
8	---	---	---	30.321	---	---	30.485	---	---	---	---	---	8
9	---	---	---	30.324	---	---	30.482	---	---	---	---	---	9
10	---	---	---	30.320	---	---	30.483	---	---	---	---	---	10
11	---	---	---	30.319	---	30.486A	30.482	---	---	---	---	---	11
12	---	---	---	30.320	---	30.484	30.481	---	---	---	---	---	12
13	---	---	---	30.320	---	30.483	30.482	---	---	---	---	---	13
14	---	---	---	30.322A	---	30.484	30.482	---	---	---	---	---	14
15	---	---	---	---	---	30.485	30.484	---	---	---	---	---	15
16	---	---	---	---	---	30.485	30.485	---	---	---	---	---	16
17	---	---	---	---	---	30.485	30.484	---	30.327A	---	---	---	17
18	---	---	---	---	---	30.483	30.484	---	---	---	---	---	18
19	---	---	---	---	---	30.483	30.484	---	---	---	---	---	19
20	---	---	---	---	---	30.483	30.485	---	---	---	---	---	20
21	---	---	---	---	---	30.484	30.485	---	---	---	---	---	21
22	---	---	30.328A	---	---	30.484	30.485	---	---	---	---	---	22
23	30.376A	---	30.295	---	---	30.483	30.484A	---	---	---	---	---	23
24	---	---	30.303	---	---	30.482	---	---	---	---	---	---	24
25	---	---	30.303	---	---	30.483	---	---	---	---	---	---	25
26	---	---	30.308	---	---	30.484	---	---	---	---	---	---	26
27	---	---	30.317	---	---	30.483	---	---	---	---	---	---	27
28	---	---	30.316	---	---	30.482	---	---	---	---	---	---	28
29	---	---	30.316	---	---	30.483	---	---	---	---	---	---	29
30	---		30.323	---	---	30.483	---	---	---	---	---	---	30
31	---		30.327		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 07 50 N
LONG 101 05 50 W

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

KRONSBART DRAIN NEAR SEWELL - STATION NO. 05OC034

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1868	0.033	0	0	---	---	---	---	---	1
2	---	---	0 B	0.1378	0.088	0	0	---	---	---	---	---	2
3	---	---	0 B	0.1288	0.124	0	0	---	---	---	---	---	3
4	---	---	0 B	0.1088	0.124	0	0	---	---	---	---	---	4
5	---	---	0 B	0.0878	0.077	0	0	---	---	---	---	---	5
6	---	---	0 B	0.0778	0.040	0	0	---	---	---	---	---	6
7	---	---	0 B	0.0348	0.022	0	0	---	---	---	---	---	7
8	---	---	0 B	0.0308	0.010	0	0	---	---	---	---	---	8
9	---	---	0 B	0.0288	0.004	0	0	---	---	---	---	---	9
10	---	---	0 B	0.0238	0.001	0	0	---	---	---	---	---	10
11	---	---	0 B	0.0208	0	0	0	---	---	---	---	---	11
12	---	---	0 B	0.0488	0	0	0	---	---	---	---	---	12
13	---	---	0 B	0.077	0	0	0	---	---	---	---	---	13
14	---	---	0 B	0.055	0	0	0	---	---	---	---	---	14
15	---	---	0 B	0.027	0	0	0	---	---	---	---	---	15
16	---	---	0 B	0.011	0	0	0	---	---	---	---	---	16
17	---	---	0 B	0.002	0	0	0	---	---	---	---	---	17
18	---	---	0 B	0	0	0	0	---	---	---	---	---	18
19	---	---	0 B	0	0	0	0	---	---	---	---	---	19
20	---	---	0 B	0	0	0	0	---	---	---	---	---	20
21	---	---	0 B	0	0	0	0	---	---	---	---	---	21
22	---	---	0 B	0	0	0.089	0	---	---	---	---	---	22
23	---	---	0 B	0	0	0.841	0	---	---	---	---	---	23
24	---	---	0 B	0	0	0.319	0	---	---	---	---	---	24
25	---	---	0 B	0	0	0.124	0	---	---	---	---	---	25
26	---	---	0 B	0	0	0.078	0	---	---	---	---	---	26
27	---	---	0 B	0	0	0.039	---	---	---	---	---	---	27
28	---	---	0 B	0	0	0.011	---	---	---	---	---	---	28
29	---	---	0 0018	0.002	0	0.001	---	---	---	---	---	---	29
30	---		0 0328	0.021	0	0	---	---	---	---	---	---	30
31	---		0 3858		0		---	---		---		---	31
TOTAL	---	---	0 418	1 119	0 503	1 100	---	---	---	---	---	---	TOTAL
MEAN	---	---	0 013	0 037	0 016	0 037	---	---	---	---	---	---	MEAN
MAX	---	---	0 385	0 186	0 124	0 841	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 026
MAXIMUM DAILY, 0 841 ON JUN 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0 706 AT 02 15 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 97 30 20 W

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	36 1	SEP	---
APR	96 7	OCT	---
MAY	43 5	NOV	---
JUN	95 0	DEC	---

TOTAL DISCHARGE, 271 dam³

LA SALLE RIVER ABOVE ELIE DAM - STATION NO. 05OC007

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	238.148	238.151	238.681	---	238.103E	238.078	---	1
2	---	---	---	---	---	238.141E	238.130E	238.681E	---	238.102	---	---	2
3	---	---	---	---	---	238.135E	238.109E	238.641E	---	238.093	238.088	---	3
4	---	---	---	---	238.351	238.139	238.097	238.621	238.150	238.088E	---	---	4
5	---	---	---	---	---	238.121E	238.081E	238.601E	238.142E	238.082	---	---	5
6	---	---	---	---	---	238.113	238.076	238.581	238.134	238.078E	---	---	6
7	---	---	---	---	---	238.170E	238.070E	---	238.126	238.078E	---	---	7
8	---	---	---	---	238.289	238.220	238.068E	---	---	238.072	---	---	8
9	---	---	---	---	---	238.237E	238.062	---	---	238.070E	---	---	9
10	---	---	---	---	---	238.240E	238.058E	238.535	---	238.068	---	---	10
11	---	---	---	---	---	238.285	238.053	---	---	238.078	---	---	11
12	---	---	---	---	238.237	238.284E	---	---	238.168	---	---	---	12
13	---	---	---	---	238.235E	238.293	---	---	238.190	---	---	---	13
14	---	---	---	---	238.233	238.240E	---	238.488	238.190	---	---	---	14
15	---	---	---	---	238.235	238.245E	---	238.471E	238.185E	238.188	---	---	15
16	---	---	---	---	238.231	238.241	238.065	238.458	238.180E	238.143E	---	---	16
17	---	---	---	---	238.224E	238.604E	238.052E	238.432	238.174	238.120	---	---	17
18	---	---	---	---	238.217E	238.988	238.038	238.422E	238.161E	---	---	---	18
19	---	---	---	---	238.208	238.608E	238.017E	238.411E	238.148E	---	---	---	19
20	---	---	---	---	238.210E	238.243	238.085	238.400	238.134	---	---	---	20
21	---	---	---	---	238.230	238.089	238.077	---	238.130	238.083	---	---	21
22	---	---	---	---	238.225E	238.730	238.068E	---	238.127E	238.078E	---	---	22
23	---	---	---	---	238.218	---	238.061	---	238.124E	238.100	---	---	23
24	---	---	---	---	238.203E	---	238.047E	238.346	238.120	238.091E	---	---	24
25	---	---	---	---	238.185	---	238.033	---	238.130	238.082	---	---	25
26	---	---	---	---	238.206E	---	238.008E	---	---	238.081E	---	---	26
27	---	---	---	---	238.227E	---	238.768E	---	---	238.080	---	---	27
28	---	---	---	---	238.248	---	238.763	---	---	238.080E	---	---	28
29	---	---	---	---	238.217E	---	238.738E	---	---	238.080	---	---	29
30	---		---	---	238.184E	---	238.723E	---	238.103	238.078E	---	---	30
31	---		---		238.151		238.709	238.192		238.078E		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 54 05 N
LONG 97 46 52 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE HOGUE'S DAM - STATION NO. 05OC802

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	229.635E	229.403	229.334E	229.386	229.573E	---	1
2	---	---	---	---	229.506	---	229.603	229.403E	229.321E	229.386E	229.571	---	2
3	---	---	---	---	229.547E	---	229.582E	229.404	229.318	229.386	229.566E	---	3
4	---	---	---	---	229.586	229.580	229.561	229.405E	229.313E	229.386E	229.541E	---	4
5	---	---	---	---	229.582E	229.585E	229.582E	229.408E	229.308	229.388	229.535	---	5
6	---	---	---	---	229.586E	229.590	229.543	229.408	229.303E	229.388E	229.519E	---	6
7	---	---	---	---	229.600	229.595E	229.542E	229.417E	229.296	229.388E	229.512	---	7
8	---	---	---	---	229.614E	229.609	229.541E	229.426	229.288E	229.326	229.512E	---	8
9	---	---	---	---	229.629	229.594E	229.540	229.428E	229.288E	229.328E	229.511	---	9
10	---	---	---	---	229.628E	229.579E	229.540E	229.425	229.288	229.328	---	---	10
11	---	---	---	229.587	229.627	229.583	229.540	229.425E	229.283E	229.328E	---	---	11
12	---	---	---	---	229.592E	229.564E	229.541E	229.425E	229.288	229.328	---	---	12
13	---	---	---	---	229.567E	229.585	229.542	229.425	229.283E	229.334E	---	---	13
14	---	---	---	---	229.521	229.536E	229.513E	229.428E	229.296	229.341E	---	---	14
15	---	---	---	---	229.518E	229.706	229.484E	229.426	229.295E	229.348	---	---	15
16	---	---	---	---	229.510	229.761E	229.456	229.421E	229.292E	229.353E	---	---	16
17	---	---	---	---	229.502E	229.814E	229.454E	229.418	229.288	229.356	---	---	17
18	---	---	---	---	229.493	229.886	229.453	229.408E	229.288E	229.373E	---	---	18
19	---	---	---	---	229.487E	229.877E	229.453E	229.398E	229.288	229.386	---	---	19
20	---	---	---	---	229.503E	229.887E	229.453	229.386	229.288E	229.401E	---	---	20
21	---	---	---	---	229.507	229.897	229.440E	229.384E	229.288	229.414E	---	---	21
22	---	---	---	---	229.498E	---	229.428E	229.381	229.288E	229.426	---	---	22
23	---	---	---	229.452	229.486	---	229.412	229.380E	229.288E	229.438E	---	---	23
24	---	---	---	---	229.480E	---	229.412E	229.379	229.283	229.448	---	---	24
25	---	---	---	229.457	229.475	---	229.412	229.379E	229.288E	229.478E	---	---	25
26	---	---	---	---	229.470E	229.786	229.413E	229.370E	229.288	229.506	---	---	26
27	---	---	---	229.471	229.488E	229.733	229.413	229.365	229.288E	229.533E	---	---	27
28	---	---	---	---	229.469	229.718E	229.413E	229.357E	229.288	229.598E	---	---	28
29	---	---	---	229.536	229.450E	229.686	229.413E	229.348	229.283E	229.585	---	---	29
30	---	---	---	---	229.440	229.667E	229.413	229.337E	229.278E	229.560E	---	---	30
31	---		---		---		229.408E	229.326		229.575			31
MEAN	---	---	---	---	---	---	229.483	229.395	229.295	229.386	---	---	MEAN
MAX	---	---	---	---	---	---	229.635	229.425	229.324	229.585	---	---	MAX
MIN	---	---	---	---	---	---	229.408	229.326	229.278	229.288	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 02 N
LONG 97 20 57 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE LEWKO'S DAM - STATION NO 05OC803

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	230.796	230.970E	230.805	230.722E	230.687	---	---	1
2	---	---	---	---	230.826	230.793E	230.913	230.803E	230.722E	230.685E	---	---	2
3	---	---	---	---	230.851E	230.790E	230.898E	230.800	230.722	230.683	---	---	3
4	---	---	---	---	230.875	230.786	230.883	230.800E	230.718E	230.682E	---	---	4
5	---	---	---	---	230.898E	230.801E	230.858E	230.800E	230.707	230.682	---	---	5
6	---	---	---	---	230.922E	230.818	230.848	230.800	230.705E	230.683E	---	---	6
7	---	---	---	---	230.948	230.821E	230.849E	230.815E	230.702	230.685E	---	---	7
8	---	---	---	---	230.944E	230.828	230.851E	230.830	230.702E	230.667	---	---	8
9	---	---	---	---	230.941	230.828E	230.853	230.828E	230.702E	230.685E	---	---	9
10	---	---	---	---	230.924E	230.828E	230.851E	230.821	230.702	230.682	---	---	10
11	---	---	---	230.890	230.906	230.826	230.848	230.815E	230.704E	230.683E	---	---	11
12	---	---	---	---	230.895E	230.851E	230.844E	230.808E	230.707	230.682	---	---	12
13	---	---	---	---	230.883E	230.876	230.839	230.801	230.707E	230.683E	---	---	13
14	---	---	---	---	230.871	230.889E	230.831E	230.801E	230.707	230.702E	---	---	14
15	---	---	---	---	230.858E	230.881	230.823E	230.801	230.707E	230.712	---	---	15
16	---	---	---	230.846	230.841	231.041E	230.814	230.801E	230.707E	230.719E	---	---	16
17	---	---	---	---	230.839E	231.221E	230.812E	230.801	230.707	230.727	---	---	17
18	---	---	---	230.836	230.836	231.401	230.809	230.795E	230.707E	230.742E	---	---	18
19	---	---	---	---	230.831E	231.426	230.807E	230.788E	230.707	230.767	---	---	19
20	---	---	---	230.826	230.836E	231.386	230.804	230.781	230.707E	230.758E	---	---	20
21	---	---	---	---	230.821	231.322	---	230.779E	230.707	230.780E	---	---	21
22	---	---	---	---	230.818E	231.387	---	230.779	230.708E	230.782	---	---	22
23	---	---	---	230.806	230.816	231.337	---	230.769E	230.710E	230.782E	---	---	23
24	---	---	---	---	230.811E	231.277E	---	230.782	230.712	230.782	---	---	24
25	---	---	---	230.801	230.806	231.237	---	230.787E	230.713E	230.804E	---	---	25
26	---	---	---	---	230.805E	231.147E	---	230.782E	230.712	230.847	---	---	26
27	---	---	---	230.836	230.803E	231.087	---	230.747	230.710E	---	---	---	27
28	---	---	---	---	230.801	231.078E	---	230.737E	230.707	---	---	---	28
29	---	---	---	---	230.798E	231.083	---	230.727	230.701E	---	---	---	29
30	---		---	230.836	230.781	231.027E	230.780	230.725E	230.684E	---	---	---	30
31	---		---		230.783E		230.783E	230.722		---		---	31
MEAN	---	---	---	---	---	231.035	---	230.765	230.706	---	---	---	MEAN
MAX	---	---	---	---	---	231.426	---	230.830	230.722	---	---	---	MAX
MIN	---	---	---	---	---	230.786	---	230.723	230.684	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 38 05 N
LONG 97 33 23 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER ABOVE ST. NORBERT DAM - STATION NO. 05OC004

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	228.383	230.826	228.105	---	---	225.858E	---	228.127E	---	1
2	---	---	---	228.418	228.481	228.107	---	---	225.852	---	228.137	---	2
3	---	---	---	228.438	228.738	228.107E	---	---	225.850E	---	---	---	3
4	---	---	---	228.438	228.881	228.107	---	---	225.847	---	---	---	4
5	---	---	---	228.476	228.981	228.077	---	---	225.847	---	---	---	5
6	---	---	---	227.358	228.261	228.082	---	---	225.849	---	---	---	6
7	---	---	---	---	228.308	228.107	---	---	---	---	---	---	7
8	---	---	---	---	228.282	228.147	---	---	---	228.777	---	---	8
9	---	---	---	227.561	228.269	228.187	---	---	---	228.777E	---	---	9
10	---	---	---	227.581	228.277	228.188	---	---	---	228.777	---	---	10
11	---	---	---	227.583	228.267	228.212	---	---	---	228.771E	---	---	11
12	---	---	---	227.547	228.267	228.227	---	---	225.848	228.764E	---	---	12
13	---	---	---	227.481	228.217	228.238	---	---	225.848E	228.767	---	---	13
14	---	---	---	227.357	228.207	228.258	---	---	225.848	228.773E	---	---	14
15	---	---	---	227.180	228.207	228.213	---	---	---	228.780E	---	---	15
16	---	---	---	227.188	228.187	228.240	---	---	---	228.807	---	---	16
17	---	---	---	227.082	228.182	228.432	---	---	---	---	---	---	17
18	---	---	---	226.822	228.187	228.657	---	---	225.838	---	---	---	18
19	---	---	---	226.841	228.177	227.022	---	---	---	---	---	---	19
20	---	---	---	226.281	228.177	227.067	---	---	---	228.837	---	---	20
21	---	---	---	225.888	228.177	228.882	---	---	---	228.857	---	---	21
22	---	---	---	226.711	228.160	228.652	---	---	225.807	228.857E	---	---	22
23	---	---	---	---	228.160	228.727	---	---	---	228.857E	---	---	23
24	---	---	---	---	228.152	228.882	---	228.912	---	228.857	---	---	24
25	---	---	---	---	228.147	228.897	---	228.902	---	228.882E	---	---	25
26	---	---	---	---	228.182	228.487	---	---	228.807	228.867	---	---	26
27	---	---	---	---	228.137	228.358	---	---	225.805E	228.837E	---	---	27
28	---	---	---	---	228.132	228.387	---	---	225.802	228.807	---	---	28
29	---	---	---	---	228.107	228.388	---	---	---	228.817E	---	---	29
30	---		---	---	228.107	228.302	---	228.882	---	228.827	---	---	30
31	---		---		228.107		---	228.858		228.117		---	31
MEAN	---	---	---	---	228.288	228.382	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	230.826	227.067	---	---	---	---	---	---	MAX
MIN	---	---	---	---	228.481	228.077	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 43 17 N
LONG 97 14 36 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT HAMPSONS DAM - STATION NO 05OC001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	233.273	233.218	233.347E	233.174	233.058E	232.881	---	---	1
2	---	---	---	---	233.272E	233.214E	233.347E	233.174E	233.061E	232.881E	---	---	2
3	---	---	---	---	233.472	233.210E	233.347	233.174	233.048E	232.881	---	---	3
4	---	---	---	---	233.472E	233.208	233.337E	233.173E	233.041	233.885E	---	---	4
5	---	---	---	---	233.471	233.208E	233.327	233.169E	233.038E	232.878E	---	---	5
6	---	---	---	---	233.469E	233.205	233.323E	233.165E	233.031	232.871	---	---	6
7	---	---	---	---	233.530	233.234E	233.316	233.163	233.078E	232.878E	---	---	7
8	---	---	---	---	233.469E	233.264	233.298E	233.163E	233.021	232.881	---	---	8
9	---	---	---	---	233.468	233.313E	233.276	233.163	233.021E	232.878E	---	---	9
10	---	---	---	---	233.469E	233.363E	233.268E	233.163E	233.021	232.871	---	---	10
11	---	---	---	233.316	233.466	233.413	233.266	233.143	233.031E	232.871E	---	---	11
12	---	---	---	---	233.436E	233.413E	233.266E	233.138E	233.041	232.871	---	---	12
13	---	---	---	---	233.402E	233.412	233.266	233.133	233.041E	232.873E	---	---	13
14	---	---	---	---	233.368E	233.407E	233.263E	233.128E	233.041	232.878E	---	---	14
15	---	---	---	---	233.336	233.401	233.260E	233.123	233.038E	232.878E	---	---	15
16	---	---	---	233.301	233.331E	233.580E	233.246	233.123E	233.038E	232.881	---	---	16
17	---	---	---	233.261E	233.336	233.760E	233.231E	233.122	233.031	232.881E	---	---	17
16	---	---	---	233.260	233.328E	233.640	233.216	233.118E	233.031E	233.001	---	---	16
19	---	---	---	233.270E	233.334	233.890E	233.210E	233.118E	233.031	233.008E	---	---	19
20	---	---	---	233.368	233.304E	233.638	233.208	233.113	233.031E	233.011	---	---	20
21	---	---	---	233.261E	233.283	233.686	233.202E	233.107E	233.031	233.107E	---	---	21
22	---	---	---	233.261E	233.263E	233.716	233.198E	233.102	233.026E	233.204E	---	---	22
23	---	---	---	233.247	233.262	233.676E	233.195	233.097E	233.026E	233.301	---	---	23
24	---	---	---	233.247E	233.277E	233.636E	233.190E	233.092	233.021	233.321E	---	---	24
25	---	---	---	233.246	233.271	233.596	233.185	233.088E	233.021E	233.341	---	---	25
26	---	---	---	233.266E	233.264E	233.533E	233.185E	233.085E	233.021	233.331E	---	---	26
27	---	---	---	233.268E	233.267E	233.467	233.184	233.081	232.911E	233.321	---	---	27
28	---	---	---	233.306	233.260	233.437E	233.181E	233.077E	233.001	---	---	---	28
29	---	---	---	233.306E	233.240E	233.367E	233.178E	233.081	232.986E	---	---	---	29
30	---		---	233.288	233.247	233.174	233.081E	233.086E	---	---	---	---	30
31	---		---		233.274E		233.178E	233.081		---		---	31
MEAN	---	---	---	---	233.364	233.488	233.245	233.134	233.036	---	---	---	MEAN
MAX	---	---	---	---	233.530	233.840	233.347	233.174	233.088	---	---	---	MAX
MIN	---	---	---	---	233.224	233.205	233.174	233.081	232.986	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 43 16 N
LONG 97 31 23 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT LA SALLE - STATION NO. 05QC605

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	226.078	---	227.733E	227.707E	---	---	1
2	---	---	---	---	226.003	---	226.081E	---	227.735	227.686	---	---	2
3	---	---	---	---	226.054	---	226.040E	227.684	227.718E	227.681E	---	---	3
4	---	---	---	---	226.078E	---	226.030	227.678E	227.707	227.683	---	---	4
5	---	---	---	---	226.103	---	226.027E	227.672	227.703E	227.684E	---	---	5
6	---	---	---	---	226.103E	---	226.024	227.675E	227.688E	227.705E	---	---	6
7	---	---	---	---	226.103E	---	226.027E	227.676	227.695	227.716	---	---	7
8	---	---	---	---	226.103	---	226.030	227.678E	227.692E	227.703E	---	---	8
9	---	---	---	---	---	226.030	226.030E	227.680E	227.691E	227.689	---	---	9
10	---	---	---	---	---	---	226.030E	227.681	227.689	227.696E	---	---	10
11	---	---	---	226.061	---	---	226.030	227.682E	227.689E	227.707E	---	---	11
12	---	---	---	---	---	---	---	227.684	227.700E	227.716	---	---	12
13	---	---	---	---	226.061	226.064	---	227.681E	227.715	227.703E	---	---	13
14	---	---	---	---	---	---	---	227.678	227.710E	227.689	---	---	14
15	---	---	---	---	---	---	226.006	227.672E	227.710	227.711E	---	---	15
16	---	---	---	---	---	---	227.967E	227.668E	227.715E	227.734	---	---	16
17	---	---	---	---	---	---	227.967	227.669	227.710	227.738E	---	---	17
18	---	---	---	---	---	---	227.977E	227.680E	227.705E	227.742E	---	---	18
19	---	---	---	---	---	226.484	227.986	227.641	227.701	227.747	---	---	19
20	---	---	---	---	---	226.489E	227.967E	227.633E	---	227.769E	---	---	20
21	---	---	---	---	---	226.524	227.967E	227.629E	---	227.771	---	---	21
22	---	---	---	226.006	---	---	227.988	227.617	---	227.772E	---	---	22
23	---	---	---	---	---	---	227.990E	227.614E	227.689	227.772E	---	---	23
24	---	---	---	---	---	---	227.991E	227.611	227.688E	227.776	---	---	24
25	---	---	---	---	227.987	---	227.992	227.603E	227.704	227.778E	---	---	25
26	---	---	---	---	---	---	226.297E	227.634E	227.705	227.701E	227.777	---	---	26
27	---	---	---	---	---	---	226.316	227.636	227.680E	227.685	227.815E	---	---	27
28	---	---	---	---	---	---	226.168E	227.614E	227.705	227.704E	227.689	---	---	28
29	---	---	---	---	---	---	226.119	227.902	227.787E	227.710E	227.833E	---	---	29
30	---	---	---	---	---	---	226.085E	---	227.745E	227.716	227.985E	---	---	30
31	---	---	---	---	---	---	---	---	227.740		226.048	---	---	31
MEAN	---	---	---	---	---	---	---	---	---	---	227.784	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	226.048	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	227.683	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 43 N
LONG 97 19 5 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT SANFORD - STATION NO. 05QC606

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	232.757	---	---	232.601E	232.348E	232.535	---	---	1
2	---	---	---	232.985	232.787E	---	232.684	232.587	232.333E	232.381E	---	---	2
3	---	---	---	---	232.837	---	232.643E	---	232.319	232.327	---	---	3
4	---	---	---	232.943	232.647E	---	232.635	---	232.333E	232.331E	---	---	4
5	---	---	---	---	232.658	---	---	---	232.335	232.315	---	---	5
6	---	---	---	---	232.679E	---	---	232.582	232.325E	232.310E	---	---	6
7	---	---	---	232.934	232.694E	---	---	232.547E	232.323	232.308E	---	---	7
8	---	---	---	---	232.613	---	---	232.532	232.321E	232.300	---	---	8
9	---	---	---	---	232.903E	---	---	---	232.320E	232.298E	---	---	9
10	---	---	---	232.846	232.982	---	232.800	---	232.319	232.318	---	---	10
11	---	---	---	232.849	232.871E	232.840	232.859E	---	232.313E	232.287E	---	---	11
12	---	---	---	232.834	232.849	232.838E	232.91C	---	232.305	232.275	---	---	12
13	---	---	---	---	232.839E	232.832E	---	232.801	232.303E	---	---	---	13
14	---	---	---	232.809	232.828	232.828	---	232.677E	232.300	---	---	---	14
15	---	---	---	---	232.818E	232.901E	---	232.663E	232.297E	---	---	---	15
16	---	---	---	232.800	232.808E	232.974	232.784	232.629	232.294E	---	---	---	16
17	---	---	---	---	232.787	233.198E	232.745E	---	232.281	---	---	---	17
18	---	---	---	232.778	---	233.425	232.736E	---	232.261E	---	---	---	18
19	---	---	---	---	---	233.369E	232.737	---	232.270	---	---	---	19
20	---	---	---	232.781	---	233.352	232.718E	232.634	232.267E	---	---	---	20
21	---	---	---	232.784	---	233.285E	232.709	232.627E	232.224	---	---	---	21
22	---	---	---	---	232.787	233.238E	232.686E	232.619	232.234E	232.273	---	---	22
23	---	---	---	232.781	---	233.181	232.687	232.610E	232.244E	232.414E	---	---	23
24	---	---	---	---	---	233.161E	232.672E	232.601	232.285	232.568	---	---	24
25	---	---	---	232.787	---	233.120	232.657	232.591E	232.190E	232.693E	---	---	25
26	---	---	---	---	232.781	233.082E	232.647E	232.581E	232.134	232.631	---	---	26
27	---	---	---	---	232.746E	233.004	232.636	232.570	232.220E	232.631E	---	---	27
28	---	---	---	---	232.739	---	232.619E	232.567E	232.536	232.631E	---	---	28
29	---	---	---	---	232.732E	---	232.602	232.554	232.535E	232.631	---	---	29
30	---	---	---	---	232.724	---	232.606E	232.561E	232.526E	---	---	---	30
31	---	---	---	---	---	---	232.614	232.558	---	---	---	---	31
MEAN	---	---	---	---	---	---	---	---	232.312	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	232.535	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	232.134	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 41 03 N
LONG 97 24 42 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER AT STARBUCK - STATION NO. 05QG505

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	235.626	---	---	235.571	235.384E	235.315	---	---	1
2	---	---	---	---	235.623E	---	---	235.568E	235.388E	235.312E	---	---	2
3	---	---	---	---	235.620	---	---	235.565	235.382	235.309	---	---	3
4	---	---	---	---	235.677E	---	---	235.565E	235.378E	235.305E	---	---	4
5	---	---	---	---	235.735	---	---	235.565E	235.370	235.301E	---	---	5
6	---	---	---	---	235.723E	---	---	235.565E	235.370E	235.295	---	---	6
7	---	---	---	---	235.731E	---	---	235.565	235.370	---	---	---	7
8	---	---	---	---	235.729	---	---	235.565E	235.388E	---	---	---	8
9	---	---	---	---	235.726E	---	235.723	235.565	235.382E	---	---	---	9
10	---	---	---	---	235.723	---	235.705E	235.554E	235.387	---	---	---	10
11	---	---	---	235.671	235.705E	235.687	235.687	235.543	235.378E	---	---	---	11
12	---	---	---	---	235.687	235.681E	235.676E	235.542E	235.394	---	---	---	12
13	---	---	---	---	235.681E	235.674	235.663E	235.540	235.390E	---	---	---	13
14	---	---	---	235.682	235.674	235.674E	235.650	235.534E	235.389E	---	---	---	14
15	---	---	---	---	235.644E	235.674	235.642E	235.528	235.382	---	---	---	15
16	---	---	---	---	---	235.613	235.908E	235.634E	235.378E	---	---	---	16
17	---	---	---	235.632	235.617E	235.138	235.626	235.614	235.370	---	---	---	17
18	---	---	---	---	235.621E	235.174	235.628E	235.610E	235.364E	---	---	---	18
19	---	---	---	235.601	235.626	235.123E	235.626	235.604	235.367	---	---	---	19
20	---	---	---	---	235.622E	236.071	235.623E	235.498E	235.363E	---	---	---	20
21	---	---	---	235.585	235.616E	235.050E	235.630	235.492	235.348E	---	---	---	21
22	---	---	---	---	235.613	235.029E	235.617E	235.488E	235.345	---	---	---	22
23	---	---	---	235.589	235.607E	235.007	235.613	235.484E	235.341E	---	---	---	23
24	---	---	---	---	235.601	235.861E	235.601E	235.479	235.337E	---	---	---	24
25	---	---	---	235.589	235.585E	235.815E	235.589	235.474E	235.333	---	---	---	25
26	---	---	---	---	235.589	235.589	235.585E	235.469E	235.330E	---	---	---	26
27	---	---	---	---	235.589E	235.641E	235.589	235.464	235.327	---	---	---	27
28	---	---	---	---	235.589	235.813	235.585E	235.461E	235.324E	---	---	---	28
29	---	---	---	235.626	235.585E	235.774E	235.581E	235.457	235.321	---	---	---	29
30	---		---	---	235.583	235.735	235.577	235.415E	235.318E	---	---	---	30
31	---		---		---		235.574E	235.400		---		---	31
MEAN	---	---	---	---	---	---	---	235.514	235.360	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	235.571	235.394	---	---	---	MAX
MIN	---	---	---	---	---	---	---	235.400	235.318	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 45 12 N
LONG 97 36 54 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LA SALLE RIVER NEAR ELIE - STATION NO. 05QG006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1718	0.027	0.008	0.491	0.008	0	0.001	---	---	1
2	---	---	0 B	0.1448	0.027	0.004	0.428	0.008	0	0.002	---	---	2
3	---	---	0 B	0.1378	0.046	0.003	0.367	0.005	0	0.002	---	---	3
4	---	---	0 B	0.1448	0.070	0.003	0.319	0.004	0	0.002	---	---	4
5	---	---	0 B	0.1708	0.080	0.003	0.288	0.008	0	0.001	---	---	5
6	---	---	0 B	0.2428	0.134	0.004	0.248	0.005	0	0.001	---	---	6
7	---	---	0 B	0.1378	0.187	0.004	0.234	0.004	0	0	---	---	7
8	---	---	0 B	0.0668	0.152	0.009	0.208	0.005	0	0	---	---	8
9	---	---	0 B	0.042	0.095	0.075	0.122	0.005	0.001	0	---	---	9
10	---	---	0 B	0.037	0.070	0.067	0.147	0.004	0	0	---	---	10
11	---	---	0 B	0.053	0.085	0.067	0.127	0.002	0.001	0	---	---	11
12	---	---	0 B	0.062	0.016	0.111	0.108	0.002	0.002	0	---	---	12
13	---	---	0 B	0.049	0.039	0.115	0.093	0.002	0.001	0	---	---	13
14	---	---	0 B	0.043	0.016	0.071	0.078	0.004	0	0	---	---	14
15	---	---	0 B	0.044	0.011	0.051	0.068	0.002	0	0	---	---	15
16	---	---	0 B	0.047	0.009	0.380A	0.044	0.002	0	0	---	---	16
17	---	---	0 B	0.030	0.009	8.58 E	0.032	0.002	0	0	---	---	17
18	---	---	0 B	0.034	0.004	8.30 E	0.020	0.003	0	0	---	---	18
19	---	---	0 B	0.028	0.007	7.85 A	0.012	0.003	0.003	0	---	---	19
20	---	---	0 B	0.028	0.007	8.88	0.013	0.003	0.003	0.005	---	---	20
21	---	---	0 B	0.027	0.010	9.57	0.013	0.003	0.003	0.005	---	---	21
22	---	---	0 B	0.029	0.018	10.4	0.012	0.003	0.002	0.031	---	---	22
23	---	---	0 B	0.029	0.008	9.32	0.010	0.003	0.002	0.127	---	---	23
24	---	---	0 B	0.030	0.005	8.27	0.008	0.003	0.002	0.086	---	---	24
25	---	---	0 B	0.028	0.005	7.68	0.008	0.003	0.002	0.087	---	---	25
26	---	---	0 B	0.025	0.005	3.58	0.008	0.003	0.001	0.057	---	---	26
27	---	---	0 B	0.025	0.004	1.83	0.010	0.003	0.001	0.0788	---	---	27
28	---	---	0.0018	0.035	0.004	1.21	0.010	0.002	0.001	0.0818	---	---	28
29	---	---	0.0438	0.025	0.004	0.856	0.010	0.001	0.001	0.0438	---	---	29
30	---		0.1368	0.035	0.004	0.479	0.009	0	0.001	0.0248	---	---	30
31	---		0.1778		0.005		0.008	0		0.0088		---	31
TOTAL	---	---	0.386	1.078	1.155	74.677	3.588	0.086	0.030	0.810	---	---	TOTAL
MEAN	---	---	0.011	0.035	0.037	2.49	0.116	0.003	0.001	0.020	---	---	MEAN
MAX	---	---	0.177	0.242	0.187	10.4	0.491	0.005	0.003	0.127	---	---	MAX
MIN	---	---	0	0.024	0.005	0.003	0.008	0	0	0	---	---	MIN

SUMMARY FOR THE 10MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.337
MAXIMUM DAILY, 10.4 ON JUN 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
11.0 AT 11:47 CST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 13 N
LONG 97 45 54 W
DRAINAGE AREA, 186 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	311
FEB	---	AUG	8.29
MAR	30.8	SEP	2.59
APR	171	OCT	83.7
MAY	99.8	NOV	---
JUN	8 480	DEC	---

TOTAL DISCHARGE, 7 120 dam³

LA SALLE RIVER NEAR SANFORD - STATION NO. 05OG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0	0.0	0.0 B	3.72 B	0.252	0	0.977	0.001	0.001	0	0.0838	0.1508	1
2	0.0	0.0	0.0 B	5.09 B	0.285	0	0.919	0.001	0.001	0	0.0798	0.2008	2
3	0.0	0.0	0.0 B	5.49 B	0.389	0	0.895	0.001	0.001	0	0.0768	0.2278	3
4	0.0	0.0	0.0 B	4.04 B	0.632	0	0.908	0.001	0.001	0	0.0728	0.2278	4
5	0.0	0.0	0.0 B	3.15 B	0.742	0	0.400	0.001	0.001	0	0.0688	0.2278	5
6	0.0	0.0	0.0 B	2.92 B	0.867	0.003	0.313	0.001	0.001	0	0.0648	0.2278	6
7	0.0	0.0	0.0 B	2.57 B	1.08	0.003	0.280	0.001	0.001	0	0.0618	0.2278	7
8	0.0	0.0	0.0 B	1.75 B	1.08	0.007	0.272	0.001	0.001	0	0.0578	0.2208	8
9	0.0	0.0	0.0 B	1.35	0.812	0.018	0.223	0.001	0.001	0	0.0538	0.2108	9
10	0.0	0.0	0.0 B	0.873	0.573	0.211	0.134	0.001	0.001	0	0.0498	0.2008	10
11	0.0	0.0	0.0 B	0.756	0.444	0.377	0.078	0.001	0.001	0	0.0488	0.1758	11
12	0.0	0.0	0.0 B	0.679	0.338	0.455	0.041	0.001	0.001	0	0.0428	0.1508	12
13	0.0	0.0	0.0 B	0.521	0.314	0.436	0.020	0.001	0.001	0	0.0386	0.1408	13
14	0.0	0.0	0.0 B	0.388	0.235	0.328	0.017	0.001	0.001	0	0.0348	0.1308	14
15	0.0	0.0	0.0 B	0.287	0.148	0.273	0.017	0.001	0.001	0	0.0318	0.1208	15
16	0.0	0.0	0.0 B	0.238	0.085	0.239	0.008	0.001	0.001	0	0.0278	0.1158	16
17	0.0	0.0	0.0 B	0.174	0.083	7.87	0.002	0.001	0.001	0	0.0238	0.1108	17
18	0.0	0.0	0.0 B	0.103	0.081	24.2	0.002	0.001	0.001	0	0.0198	0.1048	18
19	0.0	0.0	0.0 B	0.238	0.029	25.0	0.001	0.001	0	0	0.0168	0.1078	19
20	0.0	0.0	0.0 B	0.210	0.018	24.3	0.001	0.001	0	0	0.0128	0.1058	20
21	0.0	0.0	0.0 B	0.225	0.043	20.3	0.001	0.001	0	0	0.0088	0.1048	21
22	0.0	0.0	0.0 B	0.222	0.039	18.1	0.001	0.001	0	0	0.0068	0.1028	22
23	0.0	0.0	0.0 B	0.220	0.011	23.7	0.001	0.001	0	0	0.0078	0.1018	23
24	0.0	0.0	0.0 B	0.207	0.013	23.2	0.001	0.001	0	0	0.0078	0.0988	24
25	0.0	0.0	0.0 B	0.178	0.011	18.7	0.001	0.001	0	0	0.0068	0.0988	25
26	0.0	0.0	0.0018	0.189	0	10.8	0.001	0.001	0	0.572	0.0068	0.0988	26
27	0.0	0.0	0.0018	0.278	0	6.88	0.001	0.001	0	0.857	0.0058	0.0958	27
28	0.0	0.0	0.0018	0.250	0	4.43	0.001	0.001	0	0.840	0.0058	0.0938	28
29	0.0	0.0	0.0018	0.239	0	2.88	0.001	0.001	0	0.424	0.0508	0.0928	29
30	0.0		0.0008	0.288	0	1.47	0.001	0.001	0	0.2588	0.1008	0.0908	30
31	0.0		1.85 B		0		0.001	0.001		0.0878		0.0898	31
TOTAL	0	0	2.154	37.890	8.561	211.591	4.887	0.031	0.018	2.938	1.152	4.434	TOTAL
MEAN	0	0	0.069	1.26	0.276	7.05	0.158	0.001	0.001	0.095	0.038	0.143	MEAN
MAX	0	0	1.85	5.09	1.08	25.0	0.977	0.001	0.001	0.857	0.100	0.227	MAX
MIN	0	0	0	0.103	0	0	0.001	0.001	0	0	0.005	0.089	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.747
MAXIMUM DAILY, 25.0 ON JUN 19
MINIMUM DAILY, 0.0 ON JAN 1
MAXIMUM INSTANTANEOUS,
25.3 AT 17:09 CST ON JUN 18

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 40 45 N
LONG 97 25 45 W
DRAINAGE AREA, 1 900 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	422
FEB	0	AUG	2.88
MAR	186	SEP	1.55
APR	3 280	OCT	254
MAY	740	NOV	99.5
JUN	18 300	DEC	383

TOTAL DISCHARGE, 23 800 dam³

LAKE MANITOBA AT STEEP ROCK - STATION NO. 05LK002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.423	247.426	247.414	247.414	247.381	247.610	247.574	247.488	247.335	247.371	247.415	247.518	1
2	247.425	247.426	247.414	247.415	247.415	247.619	247.556	247.489	247.339	247.371	247.410	247.520	2
3	247.429	247.426	247.416	247.413	247.437	247.568	247.532	247.486	247.364	247.359	247.428	247.522	3
4	247.427	247.426	247.416	247.413	247.449	247.558	247.500	247.503	247.349	247.335	247.421	247.526	4
5	247.426	247.425	247.412	247.414	247.470	247.527	247.526	247.520	247.382	247.373	247.432	247.523	5
6	247.425	247.425	247.412	247.420	247.438	247.513	247.525	247.518	247.407	247.390	247.445	247.528	6
7	247.423	247.424	247.411	247.422	247.430	247.595	247.576	247.509	247.420	247.374	247.448	247.534	7
8	247.425	247.430	247.414	247.430	247.434	247.571	247.583	247.487	247.376	247.390	247.452	247.531	8
9	247.422	247.427	247.419	247.430	247.450	247.517	247.599	247.452	247.383	247.414	247.451	247.529	9
10	247.422	247.421	247.420	247.439	247.462	247.525	247.571	247.448	247.387	247.426	247.451	247.533	10
11	247.417	247.422	247.418	247.449	247.480	247.589	247.582	247.474	247.358	247.448	247.458	247.533	11
12	247.416	247.417	247.418	247.449	247.481	247.582	247.541	247.485	247.358	247.485	247.457	247.528	12
13	247.415	247.418	247.415	247.461	247.508	247.560	247.544	247.485	247.381	247.483	247.485	247.531	13
14	247.413	247.421	247.408	247.444	247.521	247.561	247.575	247.478	247.386	247.484	247.459	247.532	14
15	247.423	247.419	247.407	247.437	247.532	247.568	247.539	247.444	247.378	247.428	247.448	247.535	15
16	247.423	247.423	247.410	247.443	247.559	247.602	247.517	247.449	247.380	247.539	247.451	247.531	16
17	247.421	247.418	247.412	247.483	247.552	247.624	247.498	247.442	247.388	247.544	247.484	247.527	17
18	247.422	247.420	247.411	247.468	247.568	247.608	247.513	247.447	247.394	247.531	247.466	247.528	18
19	247.418	247.425	247.410	247.467	247.588	247.610	247.504	247.487	247.378	247.439	247.474	247.530	19
20	247.418	247.423	247.407	247.480	247.552	247.621	247.516	247.483	247.378	247.405	247.483	247.529	20
21	247.420	247.425	247.405	247.484	247.606	247.636	247.535	247.442	247.337	247.413	247.487	247.531	21
22	247.419	247.424	247.405	247.475	247.578	247.654	247.534	247.408	247.348	247.419	247.487	247.529	22
23	247.422	247.417	247.408	247.481	247.541	247.651	247.517	247.423	247.358	247.444	247.490	247.532	23
24	247.423	247.418	247.409	247.481	247.494	247.619	247.488	247.442	247.322	247.391	247.491	247.536A	24
25	247.427	247.421	247.411	247.491	247.519	247.631	247.503	247.444	247.333	247.430	247.490	247.534E	25
26	247.426	247.423	247.417	247.374	247.561	247.620	247.493	247.442	247.357	247.456	247.502	247.530E	26
27	247.426	247.420	247.418	247.188	247.538	247.603	247.508	247.435	247.381	247.405	247.510	247.528E	27
28	247.427	247.415	247.414	247.313	247.558	247.614	247.520	247.435	247.348	247.447	247.514	247.528A	28
29	247.429	247.416	247.414	247.328	247.567	247.636	247.532	247.452	247.383	247.427	247.515	247.531	29
30	247.429		247.413	247.388	247.607	247.668	247.535	247.421	247.348	247.427	247.514	247.535	30
31	247.431		247.411		247.582		247.498	247.358		247.445		247.537	31
MEAN	247.423	247.422	247.413	247.419	247.519	247.594	247.546	247.481	247.382	247.428	247.486	247.530	MEAN
MAX	247.431	247.430	247.420	247.481	247.588	247.668	247.574	247.530	247.420	247.544	247.515	247.537	MAX
MIN	247.413	247.415	247.408	247.188	247.381	247.513	247.493	247.358	247.322	247.339	247.410	247.518	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 247.488
MAXIMUM DAILY, 247.674 ON JUL 1
MINIMUM DAILY, 247.188 ON APR 27
MAXIMUM INSTANTANEOUS,
247.768 AT 14:14 CST ON OCT 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 28 28 N
LONG 98 48 13 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA AT THE NARROWS - STATION NO. 05LK003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.418	247.405	247.388	247.417	247.518	247.593	247.560	247.504	247.378	247.387	247.323	247.532	1
2	247.421	247.401	247.401	247.419	247.528	247.548	247.507	247.517	247.388	247.311	247.478	247.532	2
3	247.418	247.406	247.401	247.417	247.525	247.548	247.547	247.522	247.384	247.381	247.448	247.532	3
4	247.413	247.401	247.399	247.417	247.486	247.578	247.561	247.527	247.381	247.375	247.431	247.535	4
5	247.418	247.404	247.394	247.418	247.521	247.548	247.520	247.531	247.389	247.419	247.482	247.524	5
6	247.414	247.405	247.386	247.420	247.383	247.571	247.587	247.483	247.529	247.381	247.488	247.532	6
7	247.410	247.405	247.395	247.417	247.400	247.601	247.594	247.507	247.401	247.369	247.488	247.532	7
8	247.412	247.408	247.396	247.423	247.478	247.488	247.604	247.464	247.281	247.383	247.467	247.531	8
9	247.404	247.405	247.396	247.424	247.548	247.534	247.563	247.415	247.313	247.410	247.467	247.528	9
10	247.407	247.406	247.396	247.428	247.547	247.568	247.581	247.513	247.334	247.413	247.471	247.537	10
11	247.403	247.407	247.396	247.437	247.428	247.614	247.571	247.560	247.377	247.452	247.477	247.526	11
12	247.403	247.404	247.397	247.444	247.558	247.578	247.578	247.505	247.403	247.471	247.473	247.530	12
13	247.403	247.405	247.395	247.448	247.530	247.533	247.595	247.474	247.321	247.411	247.477	247.533	13
14	247.404	247.407	247.393	247.442	247.550	247.505	247.488	247.481	247.363	247.407	247.473	247.534	14
15	247.410	247.407	247.388	247.452	247.503	247.520	247.478	247.462	247.388	247.333	247.371	247.536	15
16	247.406	247.408	247.404	247.483	247.528	247.508	247.520	247.503	247.420	247.725	247.483	247.523	16
17	247.408	247.404	247.408	247.483	247.585	247.584	247.548	247.430	247.403	247.434	247.488	247.526	17
18	247.407	247.407	247.408	247.483	247.490	247.588	247.582	247.490	247.373	247.440	247.488	247.533	18
19	247.403	247.407	247.410	247.482	247.508	247.565	247.563	247.504	247.362	247.278	247.491	247.536	19
20	247.407	247.407	247.408	247.484	247.577	247.521	247.501	247.448	247.377	247.304	247.497	247.533	20
21	247.404	247.407	247.406	247.471	247.568	247.565	247.584	247.388	247.450	247.406	247.497	247.529	21
22	247.408	247.403	247.404	247.480	247.501	247.584	247.484	247.423	247.348	247.434	247.467	247.532	22
23	247.407	247.401	247.410	247.477	247.568	247.540	247.504	247.478	247.261	247.447	247.504	247.530	23
24	247.402	247.402	247.408	247.474	247.488	247.563	247.547	247.481	247.348	247.400	247.503	247.532	24
25	247.388	247.408	247.408	247.413	247.532	247.581	247.528	247.438	247.368	247.548	247.500	247.529	25
26	247.387	247.408	247.410	247.228	247.562	247.584	247.518	247.422	247.378	247.485	247.518	247.530	26
27	247.401	247.400	247.408	246.970	247.583	247.563	247.548	247.428	247.326	247.221	247.526	247.931	27
28	247.401	247.400	247.413	247.184	247.588	247.550	247.552	247.387	247.350	247.439	247.533	247.525	28
29	247.402	247.402	247.418	247.474	247.601	247.582	247.581	247.371	247.387	247.421	247.535	247.531	29
30	247.406		247.418	247.480	247.586	247.587	247.504	247.284	247.389	247.449	247.531	247.535	30
31	247.407		247.418		247.550		247.475	247.339		247.611		247.535	31
MEAN	247.407	247.405	247.403	247.411	247.531	247.584	247.554	247.458	247.388	247.413	247.478	247.531	MEAN
MAX	247.421	247.408	247.418	247.480	247.628	247.682	247.604	247.540	247.529	247.725	247.535	247.537	MAX
MIN	247.387	247.400	247.393	246.970	247.383	247.488	247.475	247.284	247.261	247.221	247.323	247.522	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 247.483
MAXIMUM DAILY, 247.725 ON OCT 16
MINIMUM DAILY, 246.970 ON APR 27
MAXIMUM INSTANTANEOUS,
246.104 AT 12 21 CST ON OCT 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 04 50 N
LONG 98 48 50 W

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA NEAR TOUTES AIDES - STATION NO 05LK004

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.328	247.337	247.334	247.318	247.232	247.484	247.617	247.456	247.223	247.281	247.302	247.426	1
2	247.338	247.337	247.333	247.321	247.278	247.468	247.613	247.437	247.286	247.286	247.324	247.439	2
3	247.336	247.336	247.332	247.323	247.314	247.495	247.554	247.446	247.284	247.296	247.348	247.442	3
4	247.336	247.332	247.330	247.327	247.355	247.535	247.492	247.450	247.287	247.374	247.348	247.440	4
5	247.336	247.328	247.330	247.337	247.385	247.555	247.510	247.473	247.283	247.414	247.387	247.441	5
6	247.338	247.330	247.326	247.343	247.448	247.523	247.487	247.480	247.282	247.380	247.372	247.451	6
7	247.333	247.329	247.324	247.351	247.382	247.548	247.532	247.455	247.285	247.367	247.384	247.456	7
8	247.328	247.336	247.324	247.351	247.324	247.556	247.592	247.418	247.480	247.333	247.381	247.459	8
9	247.328	247.343	247.326	247.373	247.377	247.554	247.542	247.417	247.385	247.348	247.382	247.456	9
10	247.326	247.343	247.320	247.388	247.464	247.506	247.515	247.412	247.323	247.386	247.387	247.462	10
11	247.328	247.341	247.318	247.382	247.431	247.488	247.488	247.487	247.306	247.448	247.388	247.456	11
12	247.328	247.340	247.318	247.387	247.447	247.566	247.503	247.521	247.387	247.484	247.384	247.447	12
13	247.328	247.340	247.317	247.382	247.458	247.514	247.551	247.485	247.350	247.480	247.395	247.484	13
14	247.323	247.339	247.315	247.384	247.481	247.509	247.486	247.480	247.288	247.432	247.385	247.483	14
15	247.324	247.343	247.312	247.368	247.488	247.555	247.413	247.403	247.285	247.487	247.383	247.472	15
16	247.322	247.346	247.312	247.374	247.558	247.577	247.414	247.484	247.287	247.470	247.378	247.484	16
17	247.322	247.338	247.318	247.382	247.488	247.565	247.381	247.432	247.283	247.468	247.381	247.461	17
18	247.320	247.336	247.319	247.399	247.441	247.485	247.433	247.388	247.288	247.500	247.384	247.446	18
19	247.317	247.340	247.324	247.403	247.544	247.562	247.427	247.412	247.288	247.550	247.389	247.458	19
20	247.318	247.338	247.322	247.404	247.571	247.584	247.437	247.412	247.281	247.456	247.414	247.462	20
21	247.314	247.346	247.318	247.404	247.482	247.565	247.518	247.382	247.407	247.378	247.419	247.458	21
22	247.314	247.343	247.316	247.411	247.478	247.512	247.475	247.368	247.446	247.331	247.411	247.447	22
23	247.318	247.338	247.318	247.420	247.476	247.565	247.403	247.388	247.318	247.282	247.421	247.449	23
24	247.323	247.333	247.320	247.421	247.503	247.565	247.407	247.480	247.288	247.386	247.428	247.454	24
25	247.322	247.333	247.323	247.420	247.501	247.594	247.438	247.456	247.288	247.372	247.423	247.456	25
26	247.327	247.337	247.323	247.467	247.484	247.585	247.448	247.431	247.239	247.442	247.431	247.481	26
27	247.326	247.336	247.318	247.553	247.473	247.584	247.448	247.406	247.180	247.386	247.428	247.454	27
28	247.332	247.332	247.313	247.270	247.500	247.600	247.478	247.391	247.178	247.383	247.432	247.444	28
29	247.334	247.330	247.314	247.174	247.518	247.622	247.502	247.322	247.208	247.380	247.438	247.442	29
30	247.336		247.317	247.207	247.538	247.659	247.532	247.238	247.248	247.271	247.435	247.447	30
31	247.338		247.318		247.570		247.495	247.181		247.317		247.460	31
MEAN	247.327	247.337	247.321	247.388	247.485	247.555	247.488	247.418	247.305	247.385	247.381	247.452	MEAN
MAX	247.338	247.346	247.334	247.553	247.586	247.659	247.617	247.521	247.485	247.550	247.439	247.472	MAX
MIN	247.314	247.328	247.312	247.174	247.232	247.484	247.381	247.181	247.178	247.283	247.302	247.435	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 247.401
MAXIMUM DAILY, 247.659 ON JUN 30
MINIMUM DAILY, 247.174 ON APR 29
MAXIMUM INSTANTANEOUS,
247.718 AT 04:31 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 31 16 N
LONG 98 32 23 W

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE MANITOBA NEAR WESTBOURNE - STATION NO 05LL012

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	247.387	247.384	247.381	247.414	247.590	247.506	247.487	247.467	247.407	247.326A	247.482	247.513	1
2	247.381	247.388	247.387	247.416	247.568	247.462	247.533	247.477	247.377	247.361E	247.556	247.505	2
3	247.383	247.388	247.387	247.411	247.545	247.560	247.581	247.456	247.388	247.391A	247.833	247.504	3
4	247.388	247.386	247.386	247.411	247.550	247.568	247.590	247.431	247.397	247.470	247.831	247.488	4
5	247.389	247.378	247.385	247.411	247.534	247.535	247.578	247.434	247.333	247.348	247.803	247.501	5
6	247.383	247.378	247.384	247.408	247.588	247.503	247.515	247.494	247.287	247.388	247.595	247.495	6
7	247.381	247.382	247.387	247.405	247.593	247.503	247.491	247.455	247.260	247.416	247.584	247.501	7
8	247.388	247.378	247.383	247.398	247.614	247.525	247.517	247.459	247.370	247.388	247.581	247.512	8
9	247.385	247.378	247.377	247.392	247.574	247.599	247.538	247.536	247.400	247.382	247.573	247.516	9
10	247.381	247.383	247.378	247.390	247.503	247.545	247.546	247.425	247.381	247.383	247.555	247.513	10
11	247.384	247.382	247.375	247.406	247.508	247.548	247.557	247.385	247.373	247.330	247.552	247.514	11
12	247.383	247.384	247.380	247.420	247.585	247.510	247.502	247.379	247.375	247.306	247.588	247.509	12
13	247.384	247.383	247.380	247.437	247.558	247.548	247.538	247.432	247.461	247.321	247.567	247.508	13
14	247.382	247.385	247.382	247.448	247.548	247.584	247.492	247.442	247.407	247.340	247.580	247.510	14
15	247.373	247.388	247.382	247.463	247.504	247.550	247.587	247.488	247.374	247.826	247.605	247.516	15
16	247.378	247.382	247.383	247.451	247.451	247.582	247.596	247.390	247.324	247.405	247.518	247.518	16
17	247.374	247.382	247.385	247.448	247.262	247.584	247.576	247.458	247.380	247.481	247.478	247.517	17
18	247.391	247.382	247.384	247.448	247.425	247.607	247.522	247.384	247.388	247.582	247.478	247.504	18
19	247.372	247.386	247.383	247.452	247.544	247.547	247.581	247.338	247.418	247.752	247.487	247.503	19
20	247.387	247.389	247.384	247.463	247.502	247.577	247.512	247.377	247.378	247.831	247.484	247.514	20
21	247.373	247.390	247.385	247.454	247.484	247.582	247.489	247.449	247.670	247.522	247.483	247.512	21
22	247.380	247.389	247.386	247.442	247.550	247.598	247.539	247.414	247.262	247.473	247.483	247.505	22
23	247.377	247.391	247.383	247.418	247.618	247.645	247.581	247.328	247.492	247.418	247.482	247.493	23
24	247.376	247.382	247.388	247.437	247.651	247.645	247.529	247.289	247.507	247.580	247.485	247.490	24
25	247.377	247.389	247.400	247.495	247.602	247.598	247.517	247.328	247.432	247.385	247.486	247.498	25
26	247.378	247.385	247.401	247.788	247.578	247.671	247.538	247.337	247.408	247.448	247.506	247.507	26
27	247.378	247.386	247.406	248.108	247.578	247.630	247.483	247.335	247.426	247.675	247.513	247.510	27
28	247.381	247.382	247.411	247.787	247.648	247.608	247.483	247.342	247.410	247.486	247.513	247.517	28
29	247.385	247.380	247.415	247.630	247.498	247.644	247.428	247.286	247.380	247.539	247.515	247.518	29
30	247.381		247.417	247.532	247.502	247.477	247.483	247.289	247.406	247.488	247.517	247.508	30
31	247.378		247.418		247.536		247.512	247.435		247.437		247.514	31
MEAN	247.381	247.386	247.393	247.488	247.545	247.587	247.535	247.406	247.391	247.451	247.533	247.508	MEAN
MAX	247.393	247.392	247.419	248.108	247.689	247.671	247.678	247.536	247.670	247.752	247.833	247.518	MAX
MIN	247.387	247.378	247.375	247.390	247.262	247.462	247.428	247.258	247.287	247.306	247.462	247.480	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 247.467
MAXIMUM DAILY, 248.108 ON APR 27
MINIMUM DAILY, 247.287 ON SEP 6
MAXIMUM INSTANTANEOUS,
248.228 AT 16:36 CST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 15 15 N
LONG 98 34 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1934

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1935 ADJ.)

LAKE OF THE PRAIRIES NEAR SHELLMOUTH - STATION NO 05MD009

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	425.745	424.892	424.533	425.085	426.607	427.423	427.784	427.381	427.084	426.875	426.741	426.285	1
2	425.718	424.868	424.522	425.188	426.627	427.472	427.789	427.358	427.078	426.893	426.711	426.248	2
3	425.693	424.844	424.514	425.250	426.648	427.480	427.774	427.353	427.074	426.873	426.697	426.229	3
4	425.655	424.824	424.504	425.333	426.685A	427.493	427.768	427.340	427.067	426.852	426.680	426.213	4
5	425.640	424.800	424.495	425.417	426.681E	427.518	427.758	427.328	427.023	426.958	426.661	426.196	5
6	425.616	424.882	424.483	425.489	426.708E	427.535	427.735	427.311	427.020	426.982	426.647	426.178	6
7	425.588	424.858	424.481	425.560	426.729E	427.561	427.713	427.301	427.040	426.956	426.632	426.163	7
8	425.565	424.836	424.469	425.654	426.761E	427.585	427.719	427.288	427.047	426.941	426.611	426.151	8
9	425.537	424.815	424.458	425.722	426.788E	427.600	427.706	427.283	427.033	426.933	426.598	426.134	9
10	425.513	424.793	424.455	425.768	426.812A	427.618	427.681	427.257	427.028	426.928	426.575	426.117	10
11	425.487	424.772	424.453	425.852	426.817	427.634	427.658	427.251	427.012	426.925	426.556	426.101	11
12	425.458	424.752	424.450	425.921	426.828	427.662	427.629	427.261	427.034	426.902	426.543	426.082	12
13	425.435	424.728	424.448	425.985	426.858	427.664	427.605	427.265	427.044	426.906	426.528	426.063	13
14	425.406	424.707	424.451	426.051	426.887	427.682	427.586	427.241	427.030	426.888	426.517	426.039	14
15	425.377	424.686	424.452	426.103	426.853	427.673	427.564	427.271	427.020	426.929	426.506	426.021	15
16	425.354	424.675	424.455	426.154	426.906	427.687	427.531	427.251	427.002	426.885	426.489	426.999	16
17	425.328	424.654	424.480	426.199	426.957	427.712	427.488	427.281	427.010	426.864	426.472	425.974	17
18	425.298	424.651	424.485	426.245	427.009	427.700	427.463	427.298	427.008	426.872	426.456	425.950	18
19	425.274	424.643	424.470	426.286	427.022	427.686	427.441	427.306	427.020	426.889	426.437	425.924	19
20	425.250	424.634	424.475	426.326	427.044	427.682	427.406	427.298	426.984	426.877	426.416	425.904	20
21	425.229	424.623	424.480	426.359	427.087	427.693	427.425	427.264	427.003	426.866	426.400	426.881	21
22	425.207	424.613	424.484	426.387	427.127	427.700	427.432	427.187	427.088	426.838	426.382	426.858	22
23	425.186	424.602	424.491	426.421	427.143	427.752	427.386	427.184	427.042	426.825	426.363	426.833	23
24	425.164	424.592	424.508	426.458	427.181	427.744	427.381	427.178	427.025	426.821	426.348	426.809	24
25	425.141	424.580	424.535	426.495	427.218	427.787	427.380	427.191	427.022	426.776	426.338	426.787	25
26	425.118	424.568	424.583	426.538	427.248	427.776	427.375	427.187	427.010	426.789	426.333	426.768	26
27	425.087	424.558	424.640	426.568	427.285	427.762	427.385	427.158	427.017	426.818	426.327	426.746	27
28	425.078	424.548	424.719	426.586	427.311	427.787	427.381	427.167	427.007	426.780	426.311	426.722	28
29	425.067	424.537	424.821	426.574	427.346	427.782	427.354	427.147	426.995	426.777	426.296	426.699	29
30	425.032		424.918	426.596	427.377	427.781	427.373	427.133	426.987	426.785	426.281	426.674	30
31	425.011		425.001		427.418		427.371	427.098		426.745		426.653	31
MEAN	425.383	424.728	424.538	426.023	426.986	427.680	427.547	427.248	427.027	426.882	426.495	426.080	MEAN
MAX	425.745	424.892	425.001	426.596	427.418	427.778	427.784	427.381	427.084	426.983	426.741	426.285	MAX
MIN	425.011	424.537	424.468	425.085	426.607	427.423	427.361	427.098	426.984	426.745	426.281	426.653	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 426.376
MAXIMUM DAILY, 427.778 ON JUN 26
MINIMUM DAILY, 424.468 ON MAR 13
MAXIMUM INSTANTANEOUS,
427.822 AT 16:07 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 58 N
LONG 101 26 21 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1969

DRAINAGE AREA
19 800 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE ST. MARTIN NEAR MILDRE - STATION NO. 05LM005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	243.188	---	243.425A	---	---	243.082	243.175	243.609	243.481	243.080	243.121	243.130	1
2	243.174	243.345A	---	---	---	243.087	243.216	243.603	243.447	243.131	243.116	243.130	2
3	243.188	---	---	---	243.258A	243.089	243.265	243.588	243.423	243.112	243.128	243.135	3
4	243.197	---	---	---	---	243.088	243.287	243.595	243.411	243.123	243.124	243.142	4
5	243.232	---	---	243.447A	---	243.095	243.334	243.590	243.388	243.088	243.121	243.142	5
6	243.229	---	---	---	---	243.103	243.319	243.618	243.284	243.115	243.119	243.148	6
7	243.231	---	---	---	---	243.088	243.280	243.617	243.329	243.114	243.119	243.156	7
8	243.228	243.356A	---	---	---	243.135	243.322	243.625	243.416	243.087	243.114	243.174	8
9	243.211	---	---	---	---	243.134	243.326	243.645	243.371	243.083	243.108	243.181	9
10	243.207	---	---	---	243.186A	243.084	243.390	243.611	243.340	243.081	243.103	243.183	10
11	243.206	---	---	---	---	243.080	243.370	243.582	243.317	243.082	243.089	243.187	11
12	243.219	---	---	---	---	243.086	243.384	243.581	243.318	243.086	243.086	243.182	12
13	243.231	---	---	243.447A	---	243.071	243.401	243.602	243.332	243.083	243.086	243.181	13
14	243.218	---	---	---	---	243.024	243.432	243.603	243.282	243.085	243.084	243.189	14
15	243.224	---	243.447A	---	---	243.018	243.463	243.619	243.263	243.183	243.091	243.209	15
16	243.230	243.363A	---	---	243.186A	243.028	243.479	243.578	243.222	243.089	243.087	243.211	16
17	243.230	---	---	---	243.024A	243.061	243.488	243.588	243.230	243.080	243.085	243.211	17
18	243.241	---	---	---	243.080	243.086	243.466	243.582	243.239	243.078	243.089	243.213	18
19	243.250	---	---	---	243.147	243.031	243.505	243.535	243.246	243.201	243.089	243.228	19
20	243.255	---	---	---	243.132	243.030	243.486	243.540	243.223	243.218	243.087	243.234	20
21	243.272	---	---	---	243.083	243.036	243.516	243.583	243.253	243.187	243.086	243.237	21
22	243.285	---	243.483A	---	243.139	243.066	243.533	243.557	243.203	243.170	243.089	243.238	22
23	243.302	243.409A	---	---	243.143	243.139	243.539	243.508	243.273	243.185	243.101	243.242	23
24	243.292A	---	---	---	243.214	243.081	243.540	243.486	243.212	243.223	243.101	243.244	24
25	243.312A	---	---	---	243.187	243.078	243.548	243.524	243.182	243.140	243.106	243.254	25
26	---	---	---	---	243.155	243.138	243.581	243.529	243.177	243.180	243.129	243.264	26
27	---	243.417A	---	---	243.141	243.148	243.581	243.517	243.169	243.244	243.132	243.274	27
28	---	---	243.536A	---	243.119	243.156	243.581	243.512	243.160	243.182	243.130	243.278	28
29	---	---	243.467A	---	243.077	243.147	243.581	243.483	243.158	243.185	243.130	243.285	29
30	---		---	---	243.080	243.148	243.583	243.484	243.131	243.139	243.131	243.294	30
31	---		---		243.104		243.605	243.479		243.133		243.303	31
MEAN	---	---	---	---	---	243.083	243.434	243.588	243.283	243.120	243.108	243.210	MEAN
MAX	---	---	---	---	---	243.158	243.605	243.645	243.481	243.244	243.132	243.303	MAX
MIN	---	---	---	---	---	243.018	243.175	243.483	243.131	242.969	243.085	243.130	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 30 33 N
LONG 98 31 38 W

MAXIMUM DAILY, 243.645 ON AUG 9
MINIMUM DAILY, 242.969 ON OCT 15
MAXIMUM INSTANTANEOUS,
243.693 AT 14:59 CST ON AUG 9

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT BERENS RIVER - STATION NO. 05RD005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.340A	217.388A	217.388A	217.433	217.486	217.515	217.586	217.648	217.482	217.377	217.806	217.265	1
2	217.365A	217.376A	217.388A	217.427	217.485	217.538	217.558	217.640	217.471	217.430	217.223	217.261	2
3	217.371A	217.410A	217.387A	217.428	217.493	217.525	217.576	217.645	217.496	217.357	217.303	217.277	3
4	217.371A	217.390A	217.411A	217.428	217.488	217.526	217.583	217.653	217.478	217.280	217.287	217.282	4
5	217.371A	217.382A	217.390A	217.423	217.485	217.486	217.631	217.672	217.446	217.283	217.267	217.273	5
6	217.358A	217.382A	217.331A	217.420	217.473	217.462	217.653	217.649	217.381	217.346	217.331	217.287	6
7	217.371A	217.394A	217.414A	217.408	217.477	217.548	217.626	217.645	217.445	217.318	217.248	217.271	7
8	217.373A	217.385A	217.384A	217.411	217.478	217.580	217.681	217.660	217.446	217.307	217.302	217.282	8
9	217.369A	217.385A	217.404A	217.411	217.493	217.553	217.680	217.653	217.435	217.309	217.284	217.257	9
10	217.360A	217.409A	217.405A	217.414	217.492	217.531	217.650	217.589	217.443	217.296	217.241	217.247	10
11	217.342A	217.390A	217.406A	217.426	217.511	217.584	217.649	217.594	217.447	217.284	217.303	217.274	11
12	217.342A	217.381A	217.389A	217.446	217.502	217.587	217.645	217.641	217.406	217.289	217.304	217.264	12
13	217.344A	217.383A	217.431A	217.456	217.497	217.600	217.640	217.618	217.487	217.287	217.286	217.257	13
14	217.348A	217.384A	217.432A	217.462	217.487	217.549	217.744	217.587	217.488	217.287	217.283	217.244	14
15	217.358A	217.373A	217.424A	217.455	217.485	217.546	217.685	217.624	217.482	217.287	217.565	217.258	15
16	217.357A	217.387A	217.426A	217.451	217.439	217.561	217.712	217.580	217.427	217.089	217.357	217.271	15
17	217.358A	217.406A	217.436A	217.442	217.503	217.588	217.643	217.618	217.437	217.481	217.284	217.268	17
18	217.351A	217.388A	217.428A	217.448	217.555	217.578	217.709	217.589	217.480	217.383	217.286	217.243	18
19	217.361A	217.400A	217.429A	217.453	217.488	217.577	217.682	217.611	217.478	217.288	217.277	217.264	19
20	217.363A	217.392A	217.431A	217.455	217.474	217.573	217.684	217.638	217.384	217.331	217.189	217.248	20
21	217.363A	217.384A	217.432A	217.448	217.526	217.584	217.650	217.644	217.185	217.347	217.273	217.284	21
22	217.369A	217.408A	217.433A	217.437	217.518	217.619	217.686	217.638	217.407	217.368	217.270	217.264	22
23	217.329A	217.408A	217.431A	217.436	217.544	217.557	217.703	217.638	217.528	217.420	217.287	217.248	23
24	217.368A	217.388A	217.423A	217.448	217.478	217.622	217.684	217.627	217.387	217.310	217.283	217.248	24
25	217.377A	217.401A	217.424A	217.462	217.518	217.648	217.684	217.681	217.419	217.218	217.301	217.280	25
26	217.381A	217.389A	217.426A	217.418	217.533	217.651	217.637	217.670	217.500	217.378	217.316	217.242	26
27	217.369A	217.380A	217.428A	217.398	217.516	217.631	217.652	217.646	217.498	217.389	217.326	217.283	27
28	217.361A	217.391A	217.447A	217.398	217.518	217.618	217.647	217.605	217.460	217.380	217.284	217.267	28
29	217.403A	217.384A	217.438	217.557	217.505	217.620	217.650	217.586	217.411	217.474	217.288	217.286	29
30	217.384A		217.440	217.484	217.537	217.663	217.671	217.584	217.368	217.434	217.288	217.287	30
31	217.376A		217.432		217.528		217.649	217.651		217.309		217.282	31
MEAN	217.383	217.391	217.418	217.448	217.501	217.577	217.662	217.623	217.438	217.332	217.323	217.258	MEAN
MAX	217.403	217.410	217.447	217.506	217.565	217.663	217.744	217.654	217.528	217.474	217.806	217.295	MAX
MIN	217.329	217.376	217.387	217.398	217.439	217.462	217.626	217.527	217.185	217.089	217.189	217.242	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

A - MANUAL GAUGE

MEAN, 217.448
MAXIMUM DAILY, 217.654 ON AUG 30
MINIMUM DAILY, 217.089 ON OCT 15
MAXIMUM INSTANTANEOUS,
218.065 AT 00:59 CST ON AUG 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 21 30 N
LONG 97 00 15 W

REGULATED SINCE 1975

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT GEORGE ISLAND - STATION NO. 05RE003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	217.370A	217.318	217.348	217.426	217.478	217.640	217.623	217.478	217.378	---	---	1
2	217.340A	217.368A	217.321	217.342	217.437	217.498	217.650	217.629	217.469	217.380A	---	---	2
3	217.342	217.388A	217.333	217.348	217.433	217.478	217.620	217.634	217.467	217.378	---	---	3
4	217.318	---	217.336	217.341	217.426	217.467	217.611	217.635	217.447	217.381	---	---	4
5	217.331	---	217.328A	217.340	217.436	217.478	217.608	217.615	217.460	217.340	---	---	5
6	217.318	---	---	217.345	217.417	217.484	217.614	217.601	217.480	217.381	---	---	6
7	---	---	---	217.338	217.388	217.525	217.684	217.611	217.478	217.405	---	---	7
8	---	217.368A	---	217.345	217.408	217.486	217.652	217.587	217.403	217.385	---	---	8
9	---	217.387	217.332A	217.337	217.423	217.486	217.621	217.570	217.383	217.398	---	---	9
10	---	217.383	217.352A	217.343	217.437	217.508	217.625	217.589	217.426	217.381	---	---	10
11	---	217.384	---	217.352	217.432	217.551	217.622	217.635	217.422	217.378	---	---	11
12	217.356A	217.362	217.348A	217.361	217.441	217.533	217.623	217.617	217.430	217.358	---	---	12
13	---	217.348	---	217.371	217.438	217.523	217.631	217.576	217.402	217.387	---	---	13
14	---	217.358	---	217.371	217.441	217.545	217.652	217.605	217.384	217.384	---	---	14
15	---	217.355	---	217.372	217.438	217.549	217.587	217.540	217.430	217.421	---	---	15
16	---	217.384	---	217.372	217.455	217.550	217.630	217.605	217.425	217.188	---	---	16
17	---	217.384A	---	217.374	217.478	217.559	217.629	217.575	217.422	217.207	---	---	17
18	---	---	217.338A	217.374	217.470	217.531	217.670	217.582	217.390	217.305	---	---	18
19	---	217.352A	---	217.378	217.441	217.589	217.637	217.580	217.381	217.421	---	---	19
20	---	217.344	217.348A	217.379	217.448	217.569	217.656	217.604	217.346	217.423	---	---	20
21	---	217.380	217.337	217.376	217.482	217.582	217.659	217.630	217.315	217.389	---	---	21
22	---	217.348	217.335	217.377	217.450	217.586	217.626	217.605	217.293	217.387	---	---	22
23	217.372A	217.340	217.364	217.376	217.454	217.575	217.613	217.582	217.381	217.340	---	---	23
24	217.374A	217.339	217.333	217.376	217.444	217.597	217.639	217.573	217.372	217.384	---	---	24
25	---	217.335	217.333	217.387	217.467	217.643	217.626	217.631	217.386	217.318	---	---	25
26	---	217.338	217.331	217.353	217.478	217.603	217.626	217.627	217.381	217.242	---	---	26
27	---	217.337	---	217.361	217.474	217.615	217.637	217.621	217.342	217.372A	---	---	27
28	---	217.331	217.342A	217.388	217.481	217.633	217.637	217.634	217.384	---	---	---	28
29	---	217.329	217.344	217.434	217.483	217.634	217.637	217.552	217.387	---	---	---	29
30	---	---	217.344	217.424	217.495	217.664	217.632	217.603	217.382	---	---	---	30
31	217.374A		217.343		217.473		217.600	217.630		---		---	31
MEAN	---	---	---	217.365	217.448	217.581	217.631	217.576	217.402	---	---	---	MEAN
MAX	---	---	---	217.434	217.495	217.664	217.670	217.635	217.480	---	---	---	MAX
MIN	---	---	---	217.337	217.388	217.478	217.587	217.430	217.293	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 48 00 N
LONG 97 37 20 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1978 ADJ.)

LAKE WINNIPEG AT GIMLI - STATION NO. 05BB005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.338	217.380	217.340	217.335	217.582	217.526	217.530	217.683	217.526	217.122	217.315	217.270	1
2	217.344	217.376	217.307	217.343	217.486	217.407	217.498	217.630	217.487	217.308	217.840E	217.260	2
3	217.347	217.361	217.310	217.336	217.475	217.556	217.747	217.801	217.478	217.440	217.200E	217.254	3
4	217.376	217.376	217.318	217.344	217.507	217.523	217.818	217.686	217.525	217.376	217.450E	217.226	4
5	217.339	217.376	217.383	217.340	217.472	217.631	217.809	217.683	217.389	217.082	217.455E	217.283	5
6	217.368	217.334	217.317	217.322	217.585	217.545	217.784	217.660	217.084	217.285	217.380A	217.213	6
7	217.388	217.346	217.335	217.330	217.772	217.413	217.686	217.621	217.074	217.414	217.297A	217.221	7
8	217.327	217.312	217.321	217.303	217.683	217.659	217.385	217.718	217.488	217.268	217.318	217.228	8
9	217.380	217.331	217.298	217.331	217.477	217.795	217.643	217.639	217.801	217.180	217.441	217.252	9
10	217.328	217.340	217.302	217.332	217.554	217.688	217.626	217.647	217.481	217.213	217.389	217.188	10
11	217.385	217.335	217.313	217.362	217.593	217.440	217.658	217.330	217.442	217.174	217.182	217.257	11
12	217.331	217.383	217.295	217.409	217.488	217.578	217.658	217.418	217.339	217.068	217.287	217.266A	12
13	217.388	217.383	217.338	217.428	217.504	217.682	217.824	217.638	217.607	217.181	217.251	217.242E	13
14	217.342	217.345	217.378	217.438	217.488	217.528	217.588	217.658	217.540	217.238	217.321	217.227	14
15	217.373	217.340	217.408	217.418	217.418	217.460	217.939	217.884	217.455	217.478	217.498	217.188	15
16	217.385	217.387	217.377	217.384	217.282	217.525	217.741	217.478	217.287	216.920	217.645	217.313	16
17	217.318	217.378	217.333	217.380	217.237	217.590	217.778	217.667	217.248	216.979	217.401	217.288E	17
18	217.317	217.335	217.333	217.377	217.385	217.611	217.631	217.593	217.484	217.112	217.287	217.275E	18
19	217.372A	217.320	217.317	217.385	217.562	217.547	217.778	217.387	217.428	217.881	217.289	217.243E	19
20	217.389E	217.344	217.338	217.403	217.438	217.584	217.618	217.403	217.648	217.788	217.209	217.211E	20
21	217.338A	217.309	217.343	217.367	217.384	217.522	217.471	217.718	217.430	217.428	217.207	217.225E	21
22	217.340	217.344	217.342	217.348	217.604	217.618	217.717	217.784	217.080	217.614	217.288	217.243E	22
23	217.318	217.368	217.304	217.343	217.636	217.623	217.635	217.378	217.486	217.398	217.213	217.244E	23
24	217.318	217.339	217.338	217.388	217.620	217.785	217.660	217.208	217.531	217.482	217.200	217.237E	24
25	217.339	217.318	217.320	217.381	217.589	217.489	217.618	217.444	217.483	217.258	217.288	217.237E	25
26	217.345	217.304	217.338	217.384	217.585	217.782	217.640	217.649	217.523	217.017	217.336	217.224E	26
27	217.348	217.348	217.343	217.820	217.536	217.717	217.580	217.511	217.517	217.881	217.384	217.248E	27
28	217.387	217.383	217.383	217.677	217.449	217.595	217.552	217.478	217.518	217.866	217.305	217.238E	28
29	217.388	217.334	217.384	217.623	217.381	217.586	217.604	217.481	217.331	217.371	217.280	217.227E	29
30	217.341		217.380	217.611	217.305	217.388	217.590	217.630	217.394	217.501	217.294	217.212E	30
31	217.338		217.348		217.516		217.743	217.883		217.115		217.215E	31
MEAN	217.342	217.344	217.338	217.425	217.488	217.590	217.648	217.582	217.425	217.309	217.335	217.241	MEAN
MAX	217.378	217.378	217.408	217.820	217.772	217.823	217.939	217.883	217.607	217.788	217.645	217.313	MAX
MIN	217.273	217.304	217.295	217.303	217.237	217.388	217.385	217.208	217.084	216.920	217.192	217.188	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 217.433
MAXIMUM DAILY, 217.939 ON JUL 19
MINIMUM DAILY, 216.920 ON OCT 16
MAXIMUM INSTANTANEOUS,
217.987 AT 19:33 CST ON AUG 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 37 50 N
LONG 96 58 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ.)

LAKE WINNIPEG AT MATHESON ISLAND LANDING - STATION NO. 05SD002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	217.378	---	---	---	217.658	217.539	217.284	---	---	1
2	---	---	---	217.376	---	---	---	217.648	217.483	217.424	---	---	2
3	---	---	---	217.376	---	---	217.700A	217.628A	217.426	217.378	---	---	3
4	---	---	---	217.383	---	---	217.768	217.624E	217.486	217.274	---	---	4
5	---	---	---	217.381	---	---	217.718	217.622A	217.362	217.168	---	---	5
6	---	---	---	217.373	---	---	217.723	217.683	217.185	217.362	---	---	6
7	---	---	---	217.366	---	---	217.660	217.630A	217.441	217.336	---	---	7
8	---	---	---	217.367	---	---	217.603	217.721A	217.511	217.280	---	---	8
9	---	---	---	217.377	---	---	217.680	217.754	217.464	217.258	---	---	9
10	---	---	---	217.381	---	---	217.668	217.594	217.454	217.252	---	---	10
11	---	---	---	217.387	---	---	217.681	217.470	217.408	217.237	---	---	11
12	---	---	---	217.428	---	---	217.680	217.578	217.452	217.181	---	---	12
13	---	---	---	217.443	---	---	217.668	217.638	217.538	217.268	---	---	13
14	---	---	---	217.438	---	---	217.614	217.684	217.470	217.290	---	---	14
15	---	---	---	217.426	---	---	217.726	217.681A	217.447	217.356	---	---	15
15	---	---	---	217.420	---	---	217.774	217.682A	217.368	218.020	---	---	15
17	---	---	---	217.412A	---	---	217.681	217.668	217.465	217.310	---	---	17
18	---	---	---	---	---	---	217.734	217.660A	217.432	217.248	---	---	18
19	---	---	---	---	---	---	217.684	217.637A	217.468A	217.345	---	---	19
20	---	---	---	---	---	---	217.688A	217.685	217.450E	217.427	---	---	20
21	---	---	---	---	---	---	217.684A	217.727	217.388A	217.330A	---	---	21
22	---	---	---	---	---	---	217.787	217.688A	217.175	217.550E	---	---	22
23	---	---	---	---	---	---	217.882	217.508E	217.505	217.510A	---	---	23
24	---	---	---	---	---	---	217.673	217.524E	217.434	217.342	---	---	24
25	---	---	---	---	---	---	217.686A	217.538A	217.418	217.183	---	---	25
26	---	---	---	---	---	---	217.641A	217.550	217.530	217.287	---	---	26
27	---	---	---	---	---	---	217.627E	217.547A	217.504	217.475	---	---	27
28	---	---	217.382A	---	---	---	217.613E	217.580E	217.504	217.418	---	---	28
29	---	---	217.378	---	---	---	217.596A	217.580E	217.385	217.433	---	---	29
30	---		217.386	---	---	---	217.682	217.600E	217.390	217.425	---	---	30
31	---		217.376		---		217.719A	217.614A		217.214		---	31
MEAN	---	---	---	---	---	---	---	217.633	217.438	217.313	---	---	MEAN
MAX	---	---	---	---	---	---	---	217.814	217.539	217.550	---	---	MAX
MIN	---	---	---	---	---	---	---	217.470	217.175	218.020	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 44 00 N
LONG 96 54 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

LAKE WINNIPEG AT MISSION POINT - STATION NO. 05SC001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	217.407	217.384	217.421A	---	217.534	217.672	217.616	217.375	217.477	---	217.310	1
2	---	217.410	217.388	217.424E	---	217.553	217.705	217.643	217.573	217.381	---	217.312	2
3	---	217.400	217.389	217.427E	---	217.515	217.631	217.641	217.566	217.413	---	217.314	3
4	---	217.386	217.377	217.429E	---	217.558	217.642	217.648	217.544	217.476	---	217.313	4
5	---	217.411	217.381	217.432E	---	217.529	217.622	217.663	217.534	217.536	---	217.297	5
6	---	217.413	217.384	217.435E	---	217.582	217.586	217.663	217.520	217.403	---	217.342	6
7	---	217.424	217.378	217.436A	---	217.539	217.653	217.631	217.772	217.381	---	217.312	7
8	---	217.441	217.385	217.439	---	217.571	217.756	217.632	217.641	217.428	---	217.312	8
9	---	217.432	217.392	217.430	---	217.511	217.655	217.638	217.644	217.490	---	217.303	9
10	---	217.418	217.374	217.436	---	217.526	217.614	217.594	217.622	217.448	---	217.336	10
11	---	217.418	217.388	217.432	---	217.573	217.650	217.718	217.520	217.468	---	217.281	11
12	217.418A	217.408	217.382	217.417	---	217.578	217.648	217.710	217.554	217.513	---	217.287	12
13	217.388	217.411	217.384	217.412	---	217.565	217.688	217.618	217.505	217.445	---	217.289	13
14	217.404	217.408	217.403	217.414	---	217.584	217.698	217.681	217.408	217.400	---	217.318	14
15	217.418	217.435	217.424	217.431	---	217.590	217.580	217.448	217.435	217.390A	---	217.318	15
16	217.325	217.408	217.421	217.448	---	217.613	217.618	217.640	217.485	217.390E	---	217.311	16
17	217.361	217.388	217.423	217.465	---	217.587	217.600	217.684	217.630	217.385E	217.298A	217.342	17
18	217.388	217.412	217.418	217.463	---	217.562	217.676	217.661	217.407	217.385E	217.312	217.373	18
19	217.376	217.408	217.408	217.468A	---	217.530	217.603	217.631	217.427	217.383E	217.328	217.387	19
20	217.410	217.413	217.411	217.438	---	217.568	217.668	217.582	217.378	217.373A	217.418	217.388	20
21	217.406	217.413	217.418	217.481	---	217.550	217.734	217.674	217.611	217.381	217.337	217.338	21
22	217.422	217.397	217.422	217.468A	---	217.528	217.682	217.667	217.581	217.373	217.306	217.347	22
23	217.443	217.378	217.418	---	---	217.544	217.606	217.670	217.553	217.330	217.336	217.348	23
24	217.413	217.388	217.413	---	---	217.513	217.612	217.585	217.465	217.384	217.327	217.358	24
25	217.418	217.403	217.400	---	---	217.585	217.673	217.619	217.418	217.498	217.281	217.348	25
26	217.407	217.388	217.404	---	---	217.582	217.673	217.581	217.321	217.461	217.378	217.364	26
27	217.436	217.374	217.418A	---	---	217.548	217.674	217.533	217.283	---	217.348	217.353	27
28	217.421	217.373	217.418E	---	217.580A	217.587	217.690	217.544	217.321	---	217.281	217.340	28
29	217.417	217.402	217.420E	---	217.582	217.706	217.683	217.404	217.406	---	217.311	217.380	29
30	217.437		217.420E	---	217.580	217.728	217.687	217.212	217.421	---	217.314	217.372	30
31	217.431		217.421E		217.534		217.618	217.088		---		217.364	31
MEAN	---	217.405	217.402	---	---	217.558	217.648	217.586	217.493	---	---	217.333	MEAN
MAX	---	217.441	217.424	---	---	217.728	217.756	217.718	217.681	---	---	217.384	MAX
MIN	---	217.373	217.381	---	---	217.511	217.568	217.088	217.283	---	---	217.281	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.681 ON SEP 22
MINIMUM DAILY, 217.088 ON AUG 31
MAXIMUM INSTANTANEOUS,
218.081 AT 13:05 CST ON SEP 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 11 00 N
LONG 99 13 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

LAKE WINNIPEG AT MONTREAL POINT - STATION NO 05RF001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	217.330	217.300	217.325	217.414	217.501	217.586	217.672	217.692	217.484	216.988	217.198	1
2	---	217.350	217.315	217.318	217.448	217.500	217.587	217.664	217.618	217.268	217.234	217.200	2
3	---	217.356	217.313	217.306	217.421	217.458	217.586	217.698	217.468	217.276	217.248	217.211	3
4	---	217.370	217.301	217.306	217.413	217.458	217.536	217.687	217.480	217.288	217.140	217.208	4
5	---	217.384	217.278	217.288	217.427	217.441	217.554	217.676	217.569	217.408	217.178	217.189	5
6	---	217.412	217.268	217.348	217.388	217.438	217.586	217.680	217.748	217.248	217.287	217.218	6
7	---	217.411	217.281	217.400	217.381	217.480	217.724	217.696	217.580	217.218	217.243	217.223	7
8	---	217.427	217.313	217.406	217.408	217.372	217.698	217.647	217.331	217.277	217.201	217.213	8
9	---	217.428	217.318	217.406	217.426	217.413	217.624	217.563	217.378	217.304	217.178	217.214	9
10	---	217.416	217.314	217.406	217.403	217.518	217.632	217.733	217.436	217.287	217.324	217.227	10
11	---	217.421	217.312	217.410	217.376	217.527	217.618	217.667	217.473	217.283	217.307	217.181	11
12	---	217.386	217.330	217.402	217.446	217.482	217.624	217.718	217.487	217.350	217.236	217.184A	12
13	---	217.386	217.312	217.406	217.430	217.522	217.638	217.653	217.386	217.296	217.267	---	13
14	---	217.384	217.283	217.402	217.433	217.566	217.587	217.653	217.410	217.281	217.103	---	14
15	---	217.384	217.308	217.412	217.480	217.552	217.566	217.656	217.513	217.128	217.086	---	15
16	---	217.368	217.323	217.432	217.539	217.530	217.583	217.734	217.556	217.047	217.137	---	16
17	217.378A	217.386	217.328	217.438	217.573	217.505	217.648	217.638	217.518	217.438	217.200	---	17
18	217.362	217.388	217.338	217.427	217.483	217.478	217.676	217.677	217.408	217.432	217.208	---	18
19	217.332	217.400	217.336	217.421	217.488	217.576	217.622	217.740	217.328	217.108	217.222	---	19
20	217.338	217.383	217.345	217.408	217.478	217.585	217.676	217.783	217.353	217.188	217.313	---	20
21	217.331	217.383	217.353	217.423	217.502	217.578	217.716	217.807	217.328	217.266	217.283	---	21
22	217.323	217.383	217.328	217.418	217.387	217.583	217.636	217.642	217.140	217.292	217.243	---	22
23	217.327	217.385	217.345	217.418	217.324	217.488	217.576	217.778	217.203	217.268	217.224	---	23
24	217.326	217.387	217.328	217.380	217.338	217.586	217.667	217.801	217.280	217.198	217.234	---	24
25	217.306	217.386	217.331	217.388	217.423	217.550	217.651	217.694	217.388	217.398	217.180	---	25
26	217.303	217.387	217.326	217.336	217.416	217.552	217.667	217.811	217.301	217.386	217.113	---	26
27	217.313	217.378	217.320	217.188	217.434	217.602	217.699	217.673	217.304	217.093	217.136	---	27
28	217.316	217.314	217.317	217.216	217.448	217.538	217.721	217.604	217.288	217.238	217.197	---	28
29	217.315	217.287	217.324	217.384	217.461	217.578	217.727	217.685	217.388	217.250	217.211	---	29
30	217.327		217.328	217.384	217.488	217.710	217.673	217.384	217.377	217.272	217.201	---	30
31	217.343		217.318		217.448		217.643	217.393		217.354		---	31
MEAN	---	217.385	217.318	217.374	217.435	217.531	217.641	217.654	217.414	217.298	217.198	---	MEAN
MAX	---	217.427	217.352	217.438	217.573	217.710	217.727	217.807	217.748	217.647	217.324	---	MAX
MIN	---	217.287	217.278	217.188	217.334	217.372	217.536	217.384	217.140	217.093	216.988	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.807 ON AUG 11

MAXIMUM INSTANTANEOUS,
217.870 AT 03:15 CST ON AUG 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 37 30 N
LONG 97 50 40 W

A - MANUAL GAUGE

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LAKE WINNIPEG AT PINE DOCK - STATION NO 05SD001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.300E	217.323	217.287	217.311	217.490	217.456	217.582	217.602	217.434	217.121	217.001	217.273	1
2	217.302E	217.316	217.280	217.309	217.430	217.451	217.590	217.588	217.400	217.291	217.427	217.283	2
3	217.310E	217.326	217.280	217.306	217.433	217.486	217.711	217.572	217.401	217.330	217.116	217.240	3
4	217.285E	217.327	217.285	217.315	217.438	217.480	217.748	217.578	217.434	217.337	217.402	217.233	4
5	217.318E	217.307	217.308	217.309	217.443	217.478	217.675	217.576	217.341	217.124	217.428	217.248	5
6	217.316E	217.301	217.281	217.283	217.488	217.450	217.583	217.616	217.104	217.321	217.308	217.218	6
7	217.310E	217.302	217.285	217.289	217.534	217.476	217.525	217.560	217.203	217.328	217.286	217.212	7
8	217.300E	217.287	217.284	217.288	217.494	217.490	217.523	217.647	217.410	217.262	217.335	217.213	8
9	217.310E	217.300	217.274	217.301	217.443	217.516	217.527	217.585	217.426	217.226	217.408	217.213	9
10	217.300E	217.306	217.288	217.304	217.442	217.524	217.513	217.524	217.362	217.224	217.287	217.206	10
11	217.288E	217.300	217.283	217.331	217.506	217.517	217.631	217.384	217.372	217.202	217.226	217.206	11
12	217.300A	217.306	217.272	217.386	217.447	217.558	217.638	217.471	217.313	217.145	217.270	217.250	12
13	217.323	217.305	217.307	217.386	217.452	217.552	217.596	217.556	217.456	217.224	217.252	217.216	13
14	217.284	217.307	217.326	217.387	217.438	217.498	217.587	217.595	217.484	217.259	217.288	217.206	14
15	217.280	217.284	217.324	217.379	217.387	217.492	217.602	217.583	217.438	217.333	217.536	217.195	15
16	217.316	217.304	217.291	217.384	217.305	217.516	217.717	217.453	217.308	216.981	217.552	217.220	16
17	217.287	217.315	217.281	217.384	217.368	217.567	217.667	217.584	217.277	217.242	217.385	217.278	17
18	217.287	217.282	217.288	217.388	217.470	217.651	217.618	217.486	217.373	217.305	217.278	217.235	18
19	217.318	217.284	217.283	217.384	217.477	217.632	217.685	217.477	217.338	217.381	217.276	217.186	19
20	217.281	217.289	217.308	217.374	217.411	217.557	217.618	217.478	217.386	217.447	217.227	217.224	20
21	217.303	217.276	217.312	217.368	217.443	217.540	217.587	217.638	217.142	217.341	217.214	217.218	21
22	217.302	217.302	217.306	217.328	217.515	217.600	217.588	217.583	217.210	217.368	217.249	217.216	22
23	217.288	217.301	217.288	217.341	217.548	217.782	217.737	217.381	217.681	217.382	217.234	217.202	23
24	217.303	217.282	217.288	217.382	217.508	217.670	217.626	217.384	217.388	217.332	217.187	217.207	24
25	217.313	217.278	217.280	217.388	217.508	217.681	217.617	217.447	217.232	217.182	217.286	217.218	25
26	217.320	217.277	217.280	217.438	217.508	217.698	217.618	217.481	217.424	217.184	217.283	217.206	26
27	217.304	217.303	217.306	217.538	217.478	217.644	217.582	217.480	217.453	217.446	217.288	217.211	27
28	217.326	217.298	217.317	217.744	217.448	217.588	217.574	217.478	217.481	217.470	217.280	217.231	28
29	217.328	217.284	217.317	217.588	217.407	217.588	217.548	217.604	217.280	217.372	217.272	217.233	29
30	217.302		217.325	217.485	217.418	217.588	217.585	217.730	217.272	217.413	217.273	217.211	30
31	217.300		217.314		217.483		217.557	217.701		217.184		217.212	31
MEAN	217.305	217.300	217.296	217.375	217.458	217.555	217.636	217.542	217.386	217.278	217.314	217.222	MEAN
MAX	217.328	217.327	217.325	217.744	217.548	217.782	217.802	217.730	217.681	217.470	217.801	217.278	MAX
MIN	217.280	217.276	217.272	217.288	217.305	217.480	217.532	217.384	217.104	216.981	217.116	217.186	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 217.387
MAXIMUM DAILY, 217.802 ON JUL 15
MINIMUM DAILY, 216.981 ON OCT 15
MAXIMUM INSTANTANEOUS,
217.902 AT 23:05 CST ON NOV 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 26 30 N
LONG 96 47 45 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1984 ADJ.)

LAKE WINNIPEG AT VICTORIA BEACH - STATION NO. 05SA003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.384	217.389	217.383	217.377	217.822	217.536	217.583	217.712A	217.584	217.193	217.518	217.332	1
2	217.377	217.422	217.354	217.365	217.490	217.419	217.535	217.673	217.525	217.359	217.766	217.321	2
3	217.383	217.398	217.355	217.374	217.506	217.562	217.614	217.644	217.526	217.480	217.207	217.309	3
4	217.410	217.422	217.361	217.383	217.535	217.527	217.667	217.625	217.581	217.371	217.572	217.288	4
5	217.372	217.426	217.415	217.378	217.505	217.602	217.638	217.618	217.461	217.112	217.566	217.340	5
6	217.408	217.363	217.365	217.384	217.593	217.519	217.611	217.681	217.102	217.316	217.353	217.288	6
7	217.413	217.381	217.376	217.377	217.631	217.430	217.533	217.687	217.095	217.484	217.334	217.277	7
8	217.388	217.345	217.372	217.368	217.725	217.664	217.427	217.765	217.526	217.332	217.377	217.285	8
9	217.407	217.382	217.345	217.361	217.518	217.782	217.701	217.684	217.654	217.223	217.493	217.307	9
10	217.372	217.401	217.343	217.360	217.473	217.683	217.683	217.684	217.510	217.249	217.456	217.256	10
11	217.400	217.389	217.384	217.367	217.615	217.478	217.714	217.387	217.490	217.200	217.249	217.310	11
12	217.379	217.398	217.334	217.436	217.524	217.587	217.705	217.444	217.359	217.094	217.329	217.306	12
13	217.420	217.391	217.378	217.485	217.526	217.689	217.669	217.665	217.651	217.213	217.299	217.279	13
14	217.381	217.382	217.422	217.467	217.493	217.586	217.658A	217.803	217.607	217.278	217.384	217.281	14
15	217.320	217.389	217.440	217.448	217.441	217.509	218.018A	217.901	217.524	217.465	217.587	217.246	15
16	217.412	217.391	217.379	217.424	217.295	217.548	217.617A	217.524	217.338	217.001	217.712	217.374	16
17	217.370	217.414	217.389	217.411	217.300	217.621	217.646A	217.686	217.284	217.061	217.465	217.332	17
18	217.368	217.371	217.381	217.411	217.452	217.645	217.589A	217.662	217.532	217.127	217.348	217.273	18
19	217.406	217.352	217.384	217.418	217.591	217.584	217.628A	217.443	217.477	217.572	217.343	217.282	19
20	217.352	217.377	217.386	217.436	217.488	217.610	217.687A	217.462	217.602	217.765	217.282	217.304	20
21	217.384	217.340	217.398	217.405	217.427	217.552	217.503A	217.764	217.387	217.488	217.251	217.287	21
22	217.379	217.381	217.384	217.384	217.638	217.638	217.767A	217.629	217.224	217.484	217.327	217.297	22
23	217.362	217.398	217.352	217.376	217.660	217.685	217.693A	217.444	217.575	217.468	217.288	217.267	23
24	217.384	217.378	217.369	217.424	217.612	217.610	217.718A	217.282	217.555	217.480	217.253	217.246	24
25	217.394	217.367	217.373	217.415	217.634	217.543	217.680A	217.477	217.513	217.306	217.339	217.288	25
26	217.394	217.335	217.382	217.604	217.592	217.617	217.682A	217.501	217.594	217.052	217.393	217.292	26
27	217.381	217.365	217.383	217.606	217.580	217.766	217.620A	217.589	217.594	217.693	217.416	217.310	27
28	217.410	217.395	217.405	217.959	217.489	217.627	217.586A	217.529	217.587	217.772	217.369	217.343	28
29	217.406	217.363	217.389	217.681	217.432	217.604	217.544A	217.605	217.397	217.444	217.347	217.315	29
30	217.389		217.398	217.649	217.348	217.442	217.620A	217.825	217.446	217.590	217.352	217.278	30
31	217.374		217.385		217.540		217.781A	217.966		217.183		217.288	31
MEAN	217.384	217.382	217.379	217.480	217.531	217.614	217.700	217.632	217.476	217.347	217.389	217.295	MEAN
MAX	217.420	217.426	217.440	217.959	217.831	217.885	218.018	217.966	217.654	217.772	217.766	217.374	MAX
MIN	217.320	217.335	217.334	217.358	217.295	217.418	217.427	217.282	217.098	217.001	217.207	217.246	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1984

MEAN, 217.487
MAXIMUM DAILY, 218.018A ON JUL 15
MINIMUM DAILY, 217.001 ON OCT 16
MAXIMUM INSTANTANEOUS,
218.147 AT 17:46 CST ON AUG 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 42 30 N
LONG 96 34 10 W

A - MANUAL GAUGE

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1962 ADJ.)

LAKE WINNIPEGOSIS AT DAWSON BAY - STATION NO 05LD002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	253.083	---	---	253.119	253.219	253.306	253.303	253.337	253.161	253.140	252.832	253.151	1
2	253.082	---	---	253.132	253.226	253.245	253.333	253.364	253.167	253.022	253.007	253.147	2
3	253.071	---	---	253.123	253.231	253.268	253.282	253.353	253.134	253.103	253.112	253.157	3
4	253.069	---	---	253.124	253.227	253.349	253.287	253.317	253.135	253.178	253.114	253.154	4
5	253.060	---	---	253.121	253.248	253.331	253.324	253.349	253.230	253.210	253.116	253.141	5
6	253.057	---	---	253.121	253.191	253.358	253.378	253.323	253.309	253.077	253.123	253.164	6
7	253.041	---	---	253.124	253.185	253.394	253.463	253.342	253.185	253.101	253.117	253.163	7
8	253.055	---	---	253.131	253.226	253.337	253.332	253.236	253.103	253.135	253.112	253.164	8
9	253.060A	---	---	253.140	253.282	253.316	253.317	253.280	253.109	253.139	253.111	253.163	9
10	---	---	---	253.151	253.276	253.322	253.353	253.411	253.102	253.152	253.123	253.171	10
11	---	---	---	253.164	253.200	253.332	253.344	253.425	253.155	253.119	253.123	253.136	11
12	---	---	---	253.168	253.265	253.343	253.376	253.302	253.199	253.160	253.110	253.145	12
13	---	---	---	253.173	253.251	253.343	253.418	253.327	253.087	253.135	253.116	253.149	13
14	---	---	---	253.174	253.269	253.306	253.300	253.169	253.066	253.111	253.086	253.164	14
15	---	---	---	253.181	253.364	253.369	253.289	253.233	253.068	252.996	253.105	253.149	15
16	---	---	---	253.186	253.341	253.364	253.298	253.345	253.184	253.249	253.116	253.121	16
17	---	---	---	253.189	253.274	253.345	253.367	253.229	253.139	253.135	253.113	253.143A	17
18	---	---	---	253.187	253.206	253.313	253.322	253.316	253.082	253.164	253.116	---	18
19	---	---	---	253.179	253.280	253.385	253.348	253.282	253.045	253.087	253.115	---	19
20	---	---	---	253.168	253.361	253.422	253.436	253.146	253.098	253.003	253.131	---	20
21	---	---	---	253.187	253.181	253.381	253.380	253.171	253.364	253.095	253.123	---	21
22	---	---	---	253.183	253.232	253.348	253.264	253.244	253.187	253.090	253.130	---	22
23	---	---	---	253.176	253.267	253.244	253.288	253.317	252.873	253.031	253.137	---	23
24	---	---	---	253.165	253.315	253.408	253.371	253.298	253.109	253.084	253.135	---	24
25	---	---	---	253.132	253.303	253.400	253.347	253.233	253.080	253.245	253.111	---	25
26	---	---	---	253.060	253.290	253.307	253.361	253.209	253.035	253.113	253.116	---	26
27	---	253.112A	---	253.014	253.336	253.422	253.374	253.242	252.989	252.861	253.143	---	27
28	---	---	---	252.905	253.340	253.424	253.403	253.092	253.007	252.968	253.164	---	28
29	---	---	---	253.112	253.369	253.478	253.389	252.975	253.059	252.912	253.164	---	29
30	---		253.111A	253.169	253.327	253.436	253.344	252.604	253.098	252.957	253.158	---	30
31	---		253.116		253.313		253.328	253.064		253.130		---	31
MEAN	---	---	---	253.140	253.271	253.366	253.349	253.248	253.119	253.093	253.109	---	MEAN
MAX	---	---	---	253.193	253.361	253.478	253.463	253.425	253.364	253.249	253.168	---	MAX
MIN	---	---	---	252.905	253.188	253.244	253.287	252.604	252.873	252.861	252.832	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1984

MAXIMUM DAILY, 253.463 ON JUL 7
MINIMUM DAILY, 252.604 ON AUG 30
MAXIMUM INSTANTANEOUS,
253.530 AT 08:12 CST ON JUL 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 58 30 N
LONG 100 58 30 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1962 ADJ.)

LAKE WINNIPEGOSIS AT WINNIPEGOSIS - STATION NO 05LM001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	253.310	253.328A	253.336	253.345	253.462	253.414	253.546	253.546	253.348	253.182	253.824	253.358	1
2	253.303	253.302A	253.328	253.345	253.430	253.413	253.510	253.510	253.328	253.385	253.384	253.361	2
3	253.306	253.329	253.336	253.344	253.437	253.587	253.694	253.480	253.383	253.322	253.325	253.360	3
4	253.307	253.332	253.340	253.344	253.448	253.502	253.726	253.530	253.381	253.277	253.319	253.347	4
5	253.320	253.302	253.336	253.355	253.482	253.574	253.703	253.503	253.228	253.165	253.318	253.356	5
6	253.311	253.320	253.327	253.350	253.544	253.578	253.580	253.587	253.087	253.348	253.311	253.336	6
7	253.319	253.310	253.344	253.351	253.536	253.516	253.541	253.489	253.278	253.315	253.321	253.339	7
8	253.312	253.311	253.328	253.351	253.441	253.586	253.542	253.570	253.573	253.206	253.315	253.346	8
9	253.318	253.326	253.321	253.354	253.388	253.579	253.587	253.542	253.460	253.186	253.316	253.349	9
10	253.313	253.315	253.332	253.360	253.436	253.547	253.581	253.358	253.424	253.208	253.300	253.333	10
11	253.310	253.320	253.318	253.373	253.589	253.552	253.589	253.288	253.322	253.271	253.312	253.365	11
12	253.308A	253.319	253.321	253.388	253.413	253.589	253.581	253.485	253.342	253.208	253.315	253.347	12
13	253.328A	253.322	253.340	253.402	253.486	253.585	253.538	253.486	252.481	253.207	253.312	253.361	13
14	253.318A	253.327	253.360	253.398	253.464	253.470	253.540	253.510	253.381	253.234	253.342	253.336	14
15	253.401A	253.327	253.337	253.391	253.323	253.522	253.580	253.502	253.328	253.586	253.327	253.367	15
16	253.311A	253.336	253.327	253.367	253.360	253.577	253.583	253.380	253.202	253.148	253.324	253.374	16
17	253.311A	253.334	253.330	253.382	253.233	253.618	253.578	253.521	253.390	253.181	253.323	253.353	17
18	253.311A	253.326	253.331	253.380	253.488	253.618	253.581	253.387	253.383	253.230	253.327	253.335	18
19	253.310A	253.325	253.332	253.388	253.612	253.573	253.584	253.377	253.434	253.588	253.320	253.344	19
20	253.311A	253.322	253.336	253.386	253.385	253.600	253.485	253.419	253.387	253.579	253.312	253.348	20
21	253.312E	253.328	253.338	253.378	253.481	253.572	253.618	253.580	253.386	253.430	253.323	253.380	21
22	253.313E	253.331	253.334	253.378	253.586	253.584	253.620	253.421	253.607	253.228	253.316	253.341	22
23	253.318E	253.336	253.337	253.387	253.586	253.611	253.614	253.271	253.786	253.384	253.309	253.343	23
24	253.316E	253.328	253.346	253.411	253.575	253.588	253.613	253.285	253.382	253.487	253.313	253.337	24
25	253.317E	253.318	253.336	253.580	253.536	253.572	253.534	253.409	253.382	253.112	253.344	253.348	25
26	253.318E	253.324	253.364	253.728	253.582	253.735	253.512	253.397	253.373	253.286	253.368	253.348	26
27	253.319E	253.337	253.362	254.183	253.486	253.586	253.507	253.378	253.420	253.703	253.388	253.356	27
28	253.320E	253.331	253.361	254.078	253.488	253.574	253.432	253.413	253.374	253.604	253.380	253.357	28
29	253.321A	253.326	253.364	253.881	253.482	253.481	253.470	253.370	253.318	253.487	253.384	253.348	29
30	253.314A		253.348	253.487	253.503	253.458	253.548	253.529	253.298	253.331	253.357	253.343	30
31	253.318A		253.344		253.531		253.578	253.507		253.251		253.345	31
MEAN	253.317	253.324	253.337	253.481	253.471	253.577	253.571	253.458	253.373	253.326	253.338	253.348	MEAN
MAX	253.401	253.337	253.364	254.183	253.678	253.611	253.726	253.642	253.786	253.703	253.524	253.374	MAX
MIN	253.303	253.302	253.318	253.344	253.233	253.414	253.341	253.288	253.087	253.112	253.300	253.333	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 253.408
MAXIMUM DAILY, 254.183 ON APR 27
MINIMUM DAILY, 253.087 ON SEP 6
MAXIMUM INSTANTANEOUS,
254.469 AT 18.52 CST ON APR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 36 45 N
LONG 99 55 07 W

A - MANUAL GAUGE

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ)

LIMESTONE RIVER NEAR BIRD - STATION NO 05UG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.298	3.218	1.19 B	0.2268	175	85.9	16.5	11.3	5.25	9.14	7.058	4.029	1
2	6.218	3.118	1.13 B	0.2268	82.8	86.3	17.0	9.68	5.24	8.85	6.818	3.998	2
3	6.138	3.058	1.04 B	0.2368	58.4	84.3	16.9	9.74	5.33	10.2	6.828	3.858	3
4	6.018	2.988	1.04 B	0.2368	56.5	76.0	17.8	7.60	5.28	10.4	6.458	3.898	4
5	5.938	2.888	0.9868	0.2368	53.5	77.3	16.8	9.73	5.20	10.4	6.258	3.858	5
6	5.858	2.748	0.9368	0.2368	50.3	74.4	19.1	9.21	5.24	10.3	6.058	3.798	6
7	5.788	2.648	0.8978	0.2368	49.1	68.4	18.0	9.75	5.81	10.2	5.898	3.728	7
8	5.698	2.558	0.8558	0.2368	48.3	62.6	17.2	9.77	5.74	9.87	5.738	3.658	8
9	5.628	2.488	0.7938	0.2368	44.8	59.1	16.0	9.60	7.55	9.69	5.578	3.588	9
10	5.498	2.388	0.7608	0.2268	44.5	54.7	15.0	9.44	8.88	9.77	5.498	3.558	10
11	5.298	2.308	0.7118	0.2458	45.5	51.3	14.2	7.00	10.3	9.84	5.408	3.488	11
12	5.148	2.248	0.6768	0.2498	47.5	47.3	12.8	7.68	10.7	9.97	5.388	3.418	12
13	5.038	2.218	0.6458	0.2838	48.6	44.0	12.2	7.81	10.5	10.2	5.298	3.368	13
14	4.918	2.188	0.6128	0.5498	54.4	40.2	10.7	7.53	10.4	10.1	5.218	3.318	14
15	4.788	2.118	0.5798	1.29 B	66.8	38.1	10.5	7.01	10.2	9.84	5.148	13.268	15
16	4.648	2.088	0.5468	2.13 B	103	36.8	10.1	8.47	9.84	9.98	5.068	3.218	16
17	4.578	1.988	0.5138	5.06 B	180	35.6	9.43	8.18	9.88	9.96	4.988	3.148	17
18	4.488	1.908	0.4848	14.8 B	236	34.6	9.16	8.04	9.86	9.74	4.918	3.068	18
19	4.388	1.838	0.4318	36.1 B	230	33.2	8.97	8.00	9.87	9.67	4.838	3.028	19
20	4.278	1.788	0.3868	66.8 B	198	31.0	7.88	8.72	9.88	10.2	4.788	2.998	20
21	4.198	1.708	0.3658	117 B	161	28.2	7.90	8.91	9.86	10.4	4.688	2.968	21
22	4.098	1.638	0.3498	166 B	170	27.6	8.73	8.83	9.70	10.6	4.618	2.888	22
23	3.988	1.548	0.3328	252	151	26.3	12.7	8.70	9.86	10.7	4.578	2.868	23
24	3.858	1.498	0.3188	193	134	24.8	17.4	8.62	9.28	9.76	4.498	2.808	24
25	3.788	1.438	0.3068	186	118	23.8	18.7	8.44	8.81	9.16	4.428	2.748	25
26	3.728	1.378	0.2838	183	104	22.8	20.0	8.53	8.15	8.888	4.348	2.688	26
27	3.658	1.338	0.2748	137	90.8	22.4	18.6	8.21	8.38	8.438	4.308	2.648	27
28	3.588	1.378	0.2648	110	78.6	22.2	17.3	8.01	8.04	8.178	4.238	2.618	28
29	3.488	1.238	0.2658	182	70.7	21.1	16.2	8.52	8.00	7.678	4.188	2.588	29
30	3.368		0.2468	303	62.4	18.7	13.5	8.38	8.81	7.638	4.098	2.558	30
31	3.288		0.2388		56.2		12.2	8.43		7.298		2.498	31
TOTAL	147.22	61.48	18.458	1 887.848	3 081.8	1 276.5	443.27	268.33	254.00	296.15	188.74	100.08	TOTAL
MEAN	4.75	2.12	0.595	66.6	99.8	42.6	14.3	8.66	8.47	9.62	5.22	3.23	MEAN
MAX	6.29	3.31	1.19	303	236	77.3	20.0	11.3	10.7	10.7	7.05	4.02	MAX
MIN	3.28	1.23	0.238	0.226	44.5	18.7	7.88	8.38	8.20	7.28	4.08	2.48	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 31.8
MAXIMUM DAILY, 303 ON APR 20
MINIMUM DAILY, 0.2268 ON APR 1
MAXIMUM INSTANTANEOUS,
302 AT 05.50 CST ON APR 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 10 N
LONG 94 12 20 W
DRAINAGE AREA, 3 180 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	12 700	JUL	38 300
FEB	5 310	AUG	17 600
MAR	1 590	SEP	21 900
APR	173 000	OCT	25 600
MAY	265 000	NOV	13 600
JUN	110 000	DEC	8 650

TOTAL DISCHARGE, 694 000 dam³

LITTLE BEAVER RIVER NEAR THE MOUTH - STATION NO. 05FB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.6 B	7.470	4.680	2.490	128	98.6	38.3	9.17	11.4	8.46	9.480	5.080	1
2	11.4 B	7.360	4.560	2.320	123	86.4	35.6	8.47	11.1	8.62	9.230	4.860	2
3	11.3 B	7.200	4.510	2.280	118	104	33.4	8.07	10.8	8.84	9.080	4.850	3
4	11.2 B	7.190	4.430	2.210	108	114	28.8	7.85	10.7	8.94	8.900	4.740	4
5	11.0 B	7.080	4.340	2.130	96.3	137	27.0	7.32	11.0	8.88	8.880	4.640	5
6	10.8 B	7.000	4.200	2.050	92.6	148	25.0	8.84	11.4	8.26	8.900	4.540	6
7	10.7 B	6.880	4.100	1.950	89.6	143	23.3	8.48	11.4	8.47	8.220	4.430	7
8	10.6 B	6.770	4.060	1.870	88.6	134	22.2	8.33	11.6	8.47	8.130	4.330	8
9	10.5 B	6.660	3.980	1.900	83.3E	133	21.2	8.17	11.6	8.70	7.980	4.230	9
10	10.4 B	6.560	3.930	1.930	80.0E	114	20.6	8.14	11.3	10.1	7.780	4.130	10
11	10.3 B	6.480	3.880	2.010	78.7E	108	20.1	8.11	11.2	10.2	7.580	4.030	11
12	10.1 B	6.370	3.790	2.080	73.6E	103	19.0	8.80	11.0	10.2	7.440	3.930	12
13	9.980	6.240	3.730	2.300	70.2E	96.6	18.0	8.77	10.8	9.94	7.280	3.830	13
14	9.800	6.140	3.660	3.040	67.2E	90.0	17.5	8.66	10.8	10.0	7.150	3.750	14
15	9.690	6.050	3.570	5.030	64.1E	84.3	16.8	8.12	10.8	10.7	7.000	3.670	15
16	9.570	5.950	3.490	7.190	186 A	78.0	15.7	4.82	10.7	10.2	6.870	3.560	16
17	9.480	5.840	3.420	10.1 B	208	76.0	14.8	4.70	10.5	10.2	6.730	3.525	17
18	9.330	5.740	3.360	12.3 B	263	73.0	14.0	4.74	10.3	10.6	6.620	3.430	18
19	9.180	5.630	3.250	20.3 B	285	69.5	13.4	4.71	10.0	13.0	6.490	3.380	19
20	9.040	5.550	3.220	34.4 B	245	64.1	12.7	4.80	9.62	14.3	6.380	3.280	20
21	8.900	5.460	3.190	55.7 B	225	59.6	12.0	5.20	9.56	15.9	6.220	3.200	21
22	8.780	5.360	3.100	85.5 B	212	56.9	12.0	5.67	9.30	15.7	6.080	3.110	22
23	8.670	5.300	3.030	124 B	198	54.0	12.3	5.13	9.17	15.2	5.970	3.040	23
24	8.570	5.200	2.980	210	163	51.1	12.2	5.90	8.91	11.3	5.840	2.980	24
25	8.410	5.110	2.880	285	158	48.2	12.3	10.4	8.67	11.1 B	5.710	2.880	25
26	8.250	5.030	2.820	186	153	45.9	12.3	11.2	8.53	10.8 B	5.600	2.810	26
27	8.080	4.950	2.760	171	139	44.1	11.9	11.7	8.52	10.8 B	5.480	2.760	27
28	7.970	4.850	2.680	167	126	42.7	11.2	11.6	8.37	10.4 B	5.360	2.680	28
29	7.830	4.780	2.600	131	117	41.6	10.8	11.5	8.34	10.1 B	5.280	2.610	29
30	7.720		2.530	126	108	40.7	10.4	11.3	8.24	9.800	5.180	2.540	30
31	7.580		2.460		102		9.71	11.3		9.680		2.480	31
TOTAL	298.68	176.34	109.33	1 572.58	4 226.3	2 643.4	665.01	235.11	306.05	333.63	212.32	113.35	TOTAL
MEAN	9.57	6.06	3.53	52.4	138	84.8	18.2	7.58	10.2	10.8	7.08	3.85	MEAN
MAX	11.6	7.47	4.68	210	285	148	38.3	11.6	11.6	15.9	9.48	5.08	MAX
MIN	7.58	4.78	2.46	1.87	64.1	40.7	9.71	4.70	8.24	8.46	5.18	2.48	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 29.2
MAXIMUM DAILY, 285 ON MAY 19
MINIMUM DAILY, 1.870 ON APR 8
MAXIMUM INSTANTANEOUS,
276 AT 19:55 CST ON MAY 18

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 39 10 N
LONG 95 39 50 W
DRAINAGE AREA, 4 250 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	25 800	JUL	48 600
FEB	15 200	AUG	20 300
MAR	9 450	SEP	26 400
APR	135 000	OCT	28 600
MAY	385 000	NOV	18 300
JUN	220 000	DEC	9 790

TOTAL DISCHARGE, 924 000 dam³

LITTLE CHURCHILL RIVER ABOVE RECLUSE LAKE - STATION NO. 05FC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.4B	18.4B	14.5B	11.3B	---	---	46.8	31.9	23.6	24.0	22.9	10.6B	1
2	23.2B	18.3B	14.4B	11.2B	---	---	46.0	31.2	23.6	24.1	22.3B	10.6B	2
3	23.0B	18.2B	14.2B	11.2B	---	---	47.6	31.0	23.8	24.1	21.4L	10.5B	3
4	22.8B	18.1B	14.1B	11.1B	---	---	46.8	30.1	23.7	23.8	20.3B	10.5B	4
5	22.7B	17.9B	14.1B	11.0B	---	---	46.1	29.5	23.6	24.2	19.5B	10.4B	5
6	22.5B	17.8B	14.0B	10.9B	---	---	44.5	28.5	23.5	24.1	18.7B	10.4B	6
7	22.2B	17.6B	13.8B	10.8B	---	---	44.1	28.1	23.7	24.0	17.8B	10.3B	7
8	22.1B	17.4B	13.7B	10.8B	---	---	43.8	28.0	23.8	24.2	17.2B	10.3B	8
9	22.0B	17.3B	13.6B	10.8B	---	---	43.1	28.9	24.3	24.3	16.6B	10.2B	9
10	21.8B	17.2B	13.5B	10.6B	---	---	42.2	28.4	23.5	24.4	15.6B	10.1B	10
11	21.8B	17.0B	13.4B	11.0B	---	---	41.6	28.2	23.4	24.4	15.2B	10.1B	11
12	21.7B	16.8B	13.3B	11.2B	---	---	41.9	28.4	23.4	24.4	14.7B	10.0B	12
13	21.6B	16.6B	13.2B	11.6B	---	---	42.0	28.2	23.8	24.5	14.2B	10.0B	13
14	21.4B	16.5B	13.1B	12.2B	---	73.9A	40.3	28.0	23.7	24.4	13.6B	9.95B	14
15	21.3B	16.4B	13.0B	13.6B	---	71.3E	39.3	27.3	23.7	24.4	13.5B	9.90B	15
16	21.1B	16.2B	13.0B	---	---	68.9E	38.3	26.9	23.7	24.5	13.1B	9.84B	16
17	20.9B	16.1B	12.8B	---	---	66.5E	37.1	26.4	23.9	24.5	12.8B	9.79B	17
18	20.7B	16.0B	12.7B	---	---	67.1E	36.7	26.1	24.0	24.4	12.5B	9.78B	18
19	20.5B	15.8B	12.6B	---	---	65.2E	36.7	26.1	23.9	24.4	12.3B	9.70B	19
20	20.4B	15.7B	12.5B	---	---	63.5A	35.9	26.0	24.0	24.3	12.1B	9.65B	20
21	20.2B	15.6B	12.4B	---	---	61.8	35.9	26.1	24.4	24.2	11.9B	9.59B	21
22	20.0B	15.4B	12.3B	---	---	60.2	35.6	25.8	24.7	24.4	11.6B	9.53B	22
23	19.9B	15.3B	12.2B	---	---	58.7	35.7	25.5	24.6	25.0	11.6B	9.51B	23
24	19.8B	15.3B	12.1B	---	---	58.6	35.7	25.5	24.2	24.6	11.6B	9.46B	24
25	19.6B	15.1B	11.9B	---	---	58.7	35.7	25.6	24.0	24.6	11.3B	9.40B	25
26	19.4B	15.0B	11.8B	---	---	55.4	35.2	25.6	23.8	24.6	11.2B	9.37B	26
27	19.3B	14.8B	11.7B	---	---	54.8	34.8	25.3	23.7	24.5	11.1B	9.31B	27
28	19.2B	14.7B	11.7B	---	---	53.0	34.6	25.1	23.7	24.3	10.8B	9.26B	28
29	19.0B	14.6B	11.6B	---	---	52.1	34.2	24.3	23.8	23.9	10.6B	9.20B	29
30	18.8B		11.5B	---	---	50.9	33.8	24.0	23.7	23.7	10.7B	9.17B	30
31	18.6B		11.4B		---		32.9	23.8		23.3		9.12B	31
TOTAL	650.9	477.1	400.1	---	---	---	1 226.1	846.8	714.6	752.7	438.5	305.80	TOTAL
MEAN	21.0	16.5	12.9	---	---	---	39.6	27.3	23.8	24.3	14.7	9.85	MEAN
MAX	23.4	18.4	14.5	---	---	---	46.8	31.9	24.7	25.0	22.9	10.6	MAX
MIN	18.6	14.6	11.4	---	---	---	32.9	23.8	23.4	23.3	10.7	9.12	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MINIMUM DAILY, 9.120 ON DEC 31

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 54 00 N
LONG 95 48 00 W
DRAINAGE AREA, 6 500 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	58 200	JUL	105 000
FEB	41 200	AUG	73 100
MAR	34 800	SEP	61 700
APR	---	OCT	65 000
MAY	---	NOV	35 000
JUN	---	DEC	26 400

LITTLE SASKATCHEWAN RIVER ABOVE RAPID CITY DAM - STATION NO. 05MF501

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	479.587	479.574	---	---	479.719	479.716	479.838	---	---	---	---	---	1
2	---	479.584E	---	---	479.724E	479.728E	---	---	---	---	---	---	2
3	---	479.564E	---	---	479.729	479.736	479.838	---	---	---	---	---	3
4	---	479.544E	---	---	479.734E	479.738E	---	---	---	---	---	---	4
5	---	479.534E	---	---	479.739	479.739E	479.808	---	478.308	---	---	---	5
6	---	479.524E	---	479.721	---	479.736	---	---	---	---	---	---	6
7	---	479.514	479.564	---	---	479.733E	---	---	---	---	---	---	7
8	---	---	---	---	---	479.728	479.838	---	---	---	---	---	8
9	---	---	---	---	---	479.725E	---	---	---	---	---	---	9
10	---	---	---	---	---	479.736	---	478.523	---	478.187	---	---	10
11	---	---	---	---	---	479.723E	---	---	---	---	---	---	11
12	---	---	---	---	---	479.716	---	---	---	---	---	479.841	12
13	---	---	---	---	---	479.723E	---	---	---	---	478.557	---	13
14	---	---	---	---	---	479.726	---	---	---	---	---	---	14
15	---	---	---	---	---	479.718E	---	---	---	---	---	---	15
16	---	---	---	---	---	479.706	---	---	---	---	---	---	16
17	---	---	---	478.638	---	479.706E	---	---	---	---	---	---	17
18	---	---	---	478.628E	---	479.703E	---	---	478.228	---	---	---	18
19	---	---	---	478.618	---	479.701E	---	---	478.202	---	---	478.820	19
20	---	---	---	478.614E	---	479.698	---	---	---	---	---	---	20
21	---	---	---	478.608	---	479.688E	---	---	---	---	---	---	21
22	---	---	---	478.788E	478.698	479.678	---	---	---	---	---	---	22
23	---	---	---	478.763E	478.683	479.698E	479.618	---	---	---	---	---	23
24	---	---	---	478.769	478.686	479.718E	---	---	---	478.887	---	---	24
25	478.509	---	---	---	478.652E	479.736	---	---	---	---	---	---	25
26	---	---	---	---	479.855E	479.886E	---	---	---	---	---	---	26
27	---	---	---	---	479.846	480.036	---	---	---	---	---	---	27
28	---	---	---	478.788	479.836E	480.186E	---	---	---	---	478.653	---	28
29	---	---	---	478.744E	479.826	480.336	---	---	---	---	---	---	29
30	---	---	---	478.729	479.813E	480.136E	---	---	---	---	---	---	30
31	---	---	---		479.796		---	---	---	478.889		---	31
MEAN	---	---	---	---	---	479.785	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	480.336	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	479.678	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 07 18 N
LONG 100 02 24 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA,
3 480 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

LITTLE SASKATCHEWAN RIVER NEAR MINNEDOSA - STATION NO 05MF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0858	0.1528	0.1148	2.188	2.07	3.63	5.94	0.314	0.088	0.186	1.78 B	1.15 B	1
2	0.0838	0.2138	0.1248	1.718	2.32	3.33	5.74	0.248	0.083	0.161	1.47 B	1.09 B	2
3	0.0808	0.2588	0.1378	1.718	2.50	3.01	4.61	0.215	0.081	0.135	1.45 B	0.9758	3
4	0.0588	0.1898	0.1508	1.808	2.77	2.78	3.73	0.218	0.053	0.122	1.38 B	0.9288	4
5	0.0588	0.0958	0.1688	2.128	3.14	2.60	3.18	0.187	0.047	0.108	1.27 B	0.9118	5
6	0.0538	0.1048	0.1888	2.088	3.88	2.53	2.76	0.214	0.050	0.102	1.18 B	0.8678	6
7	0.0518	0.1328	0.1678	2.99	4.15	2.53	2.48	0.188	0.078	0.088	1.15 B	0.8678	7
8	0.0498	0.1498	0.1328	4.20	4.47	2.43	2.20	0.208	0.078	0.083	1.10 B	0.8868	8
9	0.0478	0.1618	0.1168	3.84	4.88	2.50	1.98	0.226	0.081	0.100	1.02 B	0.8978	9
10	0.0448	0.1788	0.0948	3.83	5.00	2.78	1.78	0.202	0.083	0.103	1.02 B	0.8958	10
11	0.0428	0.1778	0.1068	3.88	4.90	2.84	1.81	0.198	0.085	0.103	0.9818	0.8678	11
12	0.0408	0.1338	0.1938	3.82	4.97	2.81	1.66	0.181	0.082	0.104	0.9688	0.8338	12
13	0.0378	0.0848	0.3228	4.37	5.12	2.71	1.32	0.147	0.088	0.108	0.9148	0.7248	13
14	0.0358	0.0758	0.4078	5.08	5.38	2.54	1.25	0.128	0.070	0.172	0.8628	0.8628	14
15	0.0388	0.0888	0.2768	5.55	5.88	2.35	1.14	0.138	0.081	0.170	0.9728	0.8038	15
16	0.0368	0.0858	0.1918	5.91	6.68	2.27	1.03	0.148	0.083	0.385	0.9338	0.8048	16
17	0.0848	0.0888	0.1728	5.81	7.07	2.30	0.885	0.136	0.084	0.347	0.8748	0.8858	17
18	0.2268	0.0708	0.1488	5.30	7.22	2.33	0.871	0.131	0.043	0.454	0.8128	0.8388	18
19	0.2648	0.0758	0.1378	4.80	7.26	2.26	0.804	0.108	0.037	1.13	1.02 B	0.8328	19
20	0.2928	0.0778	0.1788	4.48	7.14	2.43	0.784	0.147	0.080	1.68	1.15 B	0.4828	20
21	0.2678	0.0828	0.2588	4.08	6.81	2.56	0.891	0.138	0.101	1.48	1.31 B	0.4488	21
22	0.2158	0.0938	0.2588	3.73	6.62	2.58	0.846	0.134	0.088	2.07	1.30 B	0.4678	22
23	0.1238	0.1008	0.5788	3.38	6.89	2.54	0.676	0.111	0.075	2.57	1.36 B	0.4708	23
24	0.0848	0.1588	1.72 B	3.05	6.51	3.36	0.618	0.108	0.057	2.86	1.30 B	0.4898	24
25	0.0878	0.1218	1.88 B	2.88	6.21	4.84	0.672	0.126	0.042	3.30 B	1.27 B	0.4828	25
26	0.1888	0.1048	1.81 B	2.48	5.87	5.46	0.648	0.128	0.042	2.78 B	1.38 B	0.4638	26
27	0.1148	0.1028	1.42 B	2.74	5.86	6.46	0.378	0.181	0.058	2.48 B	1.41 B	0.4088	27
28	0.1928	0.1038	1.37 B	4.50	6.17	7.86	0.442	0.072	0.157	2.38 B	1.33 B	0.4098	28
29	0.1828	0.1108	2.32 B	3.44	6.78	7.68	0.384	0.083	0.185	2.23 B	1.26 B	0.4698	29
30	0.0858		2.43 B	1.83	6.38	7.71	0.314	0.078	0.202	2.23 B	1.24 B	0.4558	30
31	0.0878		2.09 B		3.86		0.323	0.085		1.83 B		0.3838	31
TOTAL	3.257	3.500	18.168	107.32	159.32	103.73	51.666	4.832	2.277	33.070	38.824	20.771	TOTAL
MEAN	0.105	0.121	0.619	3.58	5.14	3.46	1.67	0.156	0.076	1.03	1.18	0.670	MEAN
MAX	0.292	0.258	2.43	5.91	7.26	7.86	5.94	0.314	0.202	3.30	1.78	1.15	MAX
MIN	0.038	0.059	0.084	1.80	2.07	2.22	0.314	0.083	0.037	0.083	0.874	0.383	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.48
MAXIMUM DAILY, 7.86 ON JUN 30
MINIMUM DAILY, 0.0358 ON JAN 14
MAXIMUM INSTANTANEOUS,
7.94 AT 21:51 CST ON JUN 30

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 21 26 N
LONG 99 54 00 W
DRAINAGE AREA, 2 820 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	281	JUL	4 460
FEB	302	AUG	417
MAR	1 880	SEP	197
APR	9 270	OCT	2 770
MAY	13 800	NOV	3 060
JUN	8 980	DEC	1 790

TOTAL DISCHARGE, 47 000 dam³

LITTLE SASKATCHEWAN RIVER NEAR RIVERS - STATION NO. 05MP016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6830	0.6410	0.1350	0.047	0.228	4.72	5.05	0.708	1.38	0.578	0.4348	0.7630	1
2	0.6938	0.6388	0.1338	0.053	0.414	4.38	5.02	0.734	1.38	0.584	0.4418	0.7608	2
3	0.6988	0.7268	0.1318	0.063	0.834	4.19	5.02	0.788	1.39	0.590	0.4428	0.7698	3
4	0.6948	0.6738	0.1388	0.137	0.632	4.04	5.05	0.776	1.01	0.597	0.4288	0.7805	4
5	0.6878	0.6788	0.1388	0.368	0.742	3.88	5.30	0.777	0.971	0.600	0.4228	0.7748	5
6	0.6868	0.6868	0.1258	0.378	1.18	3.72	4.47	0.778	0.955	0.604	0.4238	0.7708	6
7	0.6878	0.6868	0.1288	0.358	1.87	3.68	3.83	0.770	0.958	0.603	0.4408	0.7858	7
8	0.6818	0.6858	0.1278	0.381	2.11	3.68	3.78	0.788	0.952	0.604	0.4788	0.8008	8
9	0.6815	0.6718	0.1268	0.367	2.54	3.61	3.67	1.68	0.958	0.600	0.5118	0.7778	9
10	0.6868	0.3868	0.1338	0.357	3.05	3.33	3.13	2.24	0.964	0.601	0.6488	0.7858	10
11	0.6868	0.1438	0.1328	0.351	3.57	3.18	2.80	0.939	0.962	0.602	0.6788	0.8088	11
12	0.6868	0.1378	0.1338	0.363	4.03	3.33	2.53	0.885	0.974	0.594	0.6618	0.7888	12
13	0.6868	0.1338	0.1318	0.362	4.18	3.18	2.31	0.888	0.981	0.6088	0.6078	0.8078	13
14	0.6868	0.1398	0.1348	0.385	4.41	3.18	1.99	1.01	0.988	0.592	0.6728	0.8078	14
15	0.6878	0.1388	0.1338	0.388	4.42	3.80	1.72	1.01	0.998	0.590	0.6888	0.8018	15
16	0.6848	0.1378	0.1288	0.378	4.48	5.24	1.82	1.48	0.981	0.813	0.8088	0.7618	16
17	0.6828	0.1388	0.1278	0.380	4.34	5.30	1.38	1.38	0.988	0.884	0.8898	0.7788	17
18	0.6848	0.1388	0.1118	0.378	4.28	4.37	1.38	1.38	0.887	0.807	0.8618	0.7838	18
19	0.6888	0.1388	0.1078	0.384	3.77	3.82	1.18	1.31	0.888	0.813	0.8008	0.7788	19
20	0.6778	0.1388	0.0928	0.367	3.33	3.38	1.13	1.32	0.878	0.878	0.8088	0.7888	20
21	0.6708	0.1328	0.0768	0.398	3.45	3.86	1.08	1.34	0.881	0.488	0.8548	0.7888	21
22	0.6648	0.1348	0.0828	0.388	3.78	3.83	1.38	1.34	0.878	0.488	0.7838	0.7838	22
23	0.6608	0.1388	0.0668	0.388	3.85	3.85	1.02	1.34	0.878	0.418	0.7808	0.7748	23
24	0.6588	0.1328	0.0838	0.388	3.77	2.78	0.818	1.35	0.874	0.418	0.7818	0.7708	24
25	0.6508	0.1388	0.0838	0.384	3.57	2.88	0.884	1.38	0.871	0.418	0.7858	0.7888	25
26	0.6508	0.1388	0.0648	0.382	3.43	2.88	0.795	1.38	0.888	0.418	0.7808	0.7848	26
27	0.6398	0.1388	0.082	0.386	3.35	3.89	0.758	1.35	0.882	0.4188	0.7888	0.7718	27
28	0.6428	0.1388	0.061	0.382	3.00	3.18	0.734	1.38	0.885	0.4298	0.7888	0.7808	28
29	0.6428	0.1378	0.038	0.380	3.78	3.88	0.724	1.36	0.886	0.4528	0.7748	0.7448	29
30	0.6488		0.038	0.218	3.47	4.42	0.732	1.38	0.871	0.4428	0.7828	0.7708	30
31	0.6408		0.040		3.48		0.717	1.48		0.4298		0.7488	31
TOTAL	27.188	8.784	3.078	7.381	128.881	107.80	74.208	38.838	18.881	18.883	23.388	24.188	TOTAL
MEAN	0.877	0.303	0.099	0.245	4.15	3.59	2.39	1.19	0.863	0.835	0.748	0.780	MEAN
MAX	0.904	0.841	0.135	0.387	5.05	5.24	5.02	2.24	1.38	0.813	0.881	0.807	MAX
MIN	0.638	0.133	0.038	0.047	0.228	2.88	0.717	0.708	0.863	0.488	0.422	0.744	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.30
MAXIMUM DAILY, 5.05 ON MAY 23
MINIMUM DAILY, 0.038 ON MAR 30
MAXIMUM INSTANTANEOUS,
7.42 AT 21 14 CST ON MAY 23

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 28 N
LONG 100 13 56 W
DRAINAGE AREA, 3 910 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 350	JUL	6 610
FEB	788	AUG	3 180
MAR	266	SEP	1 720
APR	638	OCT	1 630
MAY	11 100	NOV	1 930
JUN	9 310	DEC	2 090

TOTAL DISCHARGE, 41 200 dam³

LITTLE SOURIS RIVER NEAR BRANDON - STATION NO. 05MH005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.076	0.022	0.001	0	0	0	0	---	---	1
2	---	---	0 B	0.053	0.034	0.002	0	0	0	0	---	---	2
3	---	---	0 B	0.097	0.048	0	0	0	0	0	---	---	3
4	---	---	0 B	0.053	0.057	0	0	0	0	0	---	---	4
5	---	---	0 B	0.032	0.597A	0	0	0	0	0	---	---	5
6	---	---	0 B	0.037	2.21 E	0	0	0	0	0	---	---	6
7	---	---	0 B	0.034	1.49 A	0.001	0	0	0	0	---	---	7
8	---	---	0 B	0.018	0.892	0.001	0	0	0	0	---	---	8
9	---	---	0 B	0.007	0.703	0	0	0	0	0	---	---	9
10	---	---	0 B	0.008	0.531	0	0	0	0	0	---	---	10
11	---	---	0 B	0.005	0.488	0	0	0	0	0	---	---	11
12	---	---	0 B	0.007	0.457	0	0	0	0	0	---	---	12
13	---	---	0 B	0.005	0.359	0	0	0	0	0	---	---	13
14	---	---	0 B	0.002	0.357	0	0	0	0	0	---	---	14
15	---	---	0 B	0.013	0.344	0	0	0	0	0	---	---	15
16	---	---	0 B	0.070	0.332	0	0	0	0	0	---	---	16
17	---	---	0 B	0.050	0.053	0	0	0	0	0	---	---	17
18	---	---	0 B	0.043	0.042	0	0	0	0	0	---	---	18
19	---	---	0 B	0.031	0.038	0	0	0	0	0	---	---	19
20	---	---	0 B	0.024	0.038	0	0	0	0	0	---	---	20
21	---	---	0 B	0.021	0.026	0	0	0	0	0	---	---	21
22	---	---	0.0038	0.018	0.023	0	0	0	0	0	---	---	22
23	---	---	0.0108	0.021	0.018	0	0	0	0	0	---	---	23
24	---	---	0.1318	0.032	0.018	0	0	0	0	0	---	---	24
25	---	---	1.37 B	0.019	0.030	0	0	0	0	0	---	---	25
26	---	---	1.04	0.008	0.018	0	0	0	0	0	---	---	26
27	---	---	0.873	0.002	0.018	0	0	0	0	0	---	---	27
28	---	---	0.658	0.008	0.011	0	0	0	0	0	---	---	28
29	---	---	0.330	0.008	0.008	0	0	0	0	0	---	---	29
30	---		0.217	0.039	0.002	0	0	0	0	0	---	---	30
31	---		0.119		0.001		0	0		0		---	31
TOTAL	---	---	4.343	0.788	0.338	0.003	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.140	0.027	0.289	0	0	0	0	0	---	---	MEAN
MAX	---	---	1.37	0.087	3.31	0.003	0	0	0	0	---	---	MAX
MIN	---	---	0	0.002	0.001	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.059
MAXIMUM DAILY, 3.31E ON MAY 6
MINIMUM DAILY, 0E 00 MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 55 N
LONG 99 50 52 W
DRAINAGE AREA, 653 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	375	SEP	0
APR	88.0	OCT	0
MAY	900	NOV	---
JUN	0.43	DEC	---

TOTAL DISCHARGE, 1 340 dam³

LITTLE WOODY RIVER NEAR BARROWS - STATION NO. 05LC005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0748	0.134B	2.08E	1.20	0.548	0.097E	0.035	0.525	---	---	1
2	---	---	0.0748	0.161B	1.88A	1.07	0.471	0.080E	0.041	0.788	---	---	2
3	---	---	0.0748	0.190B	1.77	0.785A	0.414	0.080E	0.048	0.884	---	---	3
4	---	---	0.0748	0.283B	1.67	1.14 E	0.381	0.097E	0.053	0.989	---	---	4
5	---	---	0.0748	1.78 B	1.80	1.73 E	0.387	0.089E	0.048	1.07	---	---	5
6	---	---	0.0748	5.43	1.48	2.44 E	0.350	0.042E	0.042	1.43	---	---	6
7	---	---	0.0748	6.21	1.24	3.31 E	0.311	0.074E	0.057	1.14	---	---	7
8	---	---	0.0748	2.82	1.11	4.36 A	0.291	0.072E	0.175	0.898	---	---	8
9	---	---	0.0748	1.78	1.17	4.73	0.288	0.084E	0.284	1.43	---	---	9
10	---	---	0.0748	2.07	2.01	3.08	0.288	0.084E	0.284	1.43	---	---	10
11	---	---	0.0748	2.05	4.83	2.17	0.280	0.080E	0.204	1.09	---	---	11
12	---	---	0.0748	2.20	4.18	1.81	0.173	0.085E	0.183	0.830	---	---	12
13	---	---	0.0748	1.83	3.30	1.28	0.181	0.052E	0.404	0.675	---	---	13
14	---	---	0.0748	1.70	3.07	1.11	0.336	0.048E	0.308	0.543	---	---	14
15	---	---	0.0748	1.55	3.12	0.881	0.407	0.044A	0.231	0.472	---	---	15
16	---	---	0.0748	1.83	2.82	1.17	0.313	0.083	0.185	2.58	---	---	16
17	---	---	0.0748	2.01	5.42	2.16	0.248	0.084	0.183	3.39	---	---	17
18	---	---	0.0748	3.43	5.10	1.88	0.182	0.083	0.136	2.04	---	---	18
19	---	---	0.0788	3.03	4.78	1.38	0.171	0.047	0.123	1.43	---	---	19
20	---	---	0.0808	2.84	3.84	1.24	0.168	0.045	0.114	1.14	---	---	20
21	---	---	0.0818	2.67	3.78	3.04	0.187	0.050	0.141	0.914	---	---	21
22	---	---	0.0828	2.01	3.03	7.12	0.188	0.057	0.758	0.787	---	---	22
23	---	---	0.0838	1.88	2.70	4.38	0.170	0.058	0.737	0.705	---	---	23
24	---	---	0.0908	4.04	2.58	3.47	0.187E	0.047	0.582	0.706A	---	---	24
25	---	---	0.1008	5.40 A	2.54	1.68	0.185E	0.044	0.488	0.6208	---	---	25
26	---	---	0.1028	4.74 E	3.05	1.32	0.188E	0.045	0.441	0.548A	---	---	26
27	---	---	0.1048	4.15 E	2.88	1.01	0.183E	0.043	0.435	0.5088	---	---	27
28	---	---	0.1078	3.55 E	2.86	0.851	0.1408	0.033	0.433	0.6088	---	---	28
29	---	---	0.1118	3.01 E	2.83	0.732	0.1288	0.024	0.474	0.5138	---	---	29
30	---	---	0.1148	2.58 E	1.85	0.610	0.1188	0.027	0.513	0.5138	---	---	30
31	---	---	0.1208		1.32		0.1058	0.032		0.5188		---	31
TOTAL	---	---	2.582	73.379	85.91	61.758	7.805	1.827	8.194	31.788	---	---	TOTAL
MEAN	---	---	0.083	2.45	2.77	2.06	0.252	0.059	0.270	1.02	---	---	MEAN
MAX	---	---	0.120	5.43	5.10	7.12	0.548	0.097	0.788	3.39	---	---	MAX
MIN	---	---	0.074	0.134	1.11	0.610	0.105	0.032	0.035	0.472	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.11
MAXIMUM DAILY, 7.12 ON JUN 23
MINIMUM DAILY, 0.035 ON AUG 28
MAXIMUM INSTANTANEOUS,
5.40 AT 22:15 CST ON JUN 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 50 00 N
LONG 101 34 00 W
DRAINAGE AREA, 68.7 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	674
FEB	---	AUG	156
MAR	223	SEP	701
APR	6 340	OCT	2 740
MAY	7 420	NOV	---
JUN	5 340	DEC	---

TOTAL DISCHARGE, 23 800 dam³

LONG LAKE NEAR LITTLE GRAND RAPIDS - STATION NO. 05RD010

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	28.547	---	---	28.513	28.617	28.110	28.548	28.484	28.116	28.676	28.614	28.584A	1
2	28.550	---	---	28.513	28.621	28.116	28.550	28.485	28.102	28.671	28.614	---	2
3	28.558	---	---	28.513	28.626	28.128	28.550	28.442	28.088	28.665	28.619	---	3
4	28.562	---	---	28.516	28.631	28.147	28.555	28.428	28.080	28.661	28.622	---	4
5	28.564	---	---	28.524	28.636	28.180	28.559	28.416	28.068	28.662	28.622	---	5
6	28.565	---	---	28.536	28.642	28.171	28.549	28.402	28.062	28.643	28.622	---	6
7	28.566	---	---	28.581	28.656	28.185	28.537	28.386	28.046	28.638	28.621	---	7
8	28.570	---	---	28.585	28.677	28.210	28.536	28.386	28.031	28.630	28.620	---	8
9	28.571	---	---	28.612	28.693	28.224	28.533	28.358	28.027	28.628	28.617	---	9
10	28.571B	---	---	28.627	28.703	28.243	28.526	28.348	28.014	28.619	28.610	---	10
11	---	---	---	28.644	28.718	28.261	28.524	28.333	28.001	28.618	28.608	---	11
12	---	---	---	28.662	28.735	28.278	28.530	28.321	28.000	28.620	28.608	---	12
13	---	---	---	28.676	28.746	28.282A	28.526	28.316	28.998	28.611	28.607	---	13
14	---	---	---	28.687	28.755	28.311	28.524	28.304	28.988	28.600	28.604	---	14
15	---	---	---	28.699	28.762	28.324	28.540	28.279	28.976	28.604	28.604	---	15
16	---	---	---	28.710	28.765	28.336	28.541	28.270	28.973	28.610	28.604	---	16
17	---	---	---	28.722	28.763	28.352	28.544	28.261	28.962	28.625	28.603	---	17
18	---	---	---	28.736	28.758	28.372	28.548	28.254	28.948	28.641	28.603	---	18
19	---	---	---	28.748	28.779	28.387	28.544	28.245	28.939	28.647	28.604	---	19
20	---	---	---	28.762	28.791	28.389	28.541	28.231	28.931	28.661	28.606	---	20
21	---	---	---	28.780	28.802	28.409	28.540	28.223	28.920	28.662	28.607	---	21
22	---	---	---	28.777	28.810	28.428	28.533	28.221	28.941	28.670	28.607	---	22
23	---	---	---	28.782	28.814	28.473	28.528	28.208	28.932	28.677	28.611	---	23
24	---	---	---	28.787	28.828	28.485	28.522	28.197	28.925	28.688	28.616	---	24
25	---	---	---	28.781	28.848	28.503	28.516	28.186	28.917	28.693	28.620	---	25
26	---	---	---	28.782	28.881	28.513	28.511	28.178	28.908	28.701	28.635	---	26
27	---	---	28.515A	28.787	28.870	28.524	28.502	28.168	28.904	28.705	28.643	---	27
28	---	---	28.515	28.811	28.878	28.531	28.488	28.164	28.901	28.714	28.643	---	28
29	---	---	28.516	28.816	28.886	28.539	28.478	28.145	28.894	28.718	28.650	---	29
30	---	---	28.517	28.817	28.881	28.542	28.474	28.124	28.888	28.716	28.661	---	30
31	---	---	28.513		28.889		28.473	28.128		28.719		---	31
MEAN	---	---	---	28.683	28.807	28.333	28.529	28.284	28.963	28.657	28.618	---	MEAN
MAX	---	---	---	28.817	28.889	28.542	28.588	28.484	28.116	28.719	28.661	---	MAX
MIN	---	---	---	28.513	28.617	28.110	28.473	28.124	28.888	28.600	28.603	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 28.889 ON JUL 5

MAXIMUM INSTANTANEOUS,
28.980 AT 19:51 CST ON JUL 4

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 30 N
LONG 99 05 30 W

A - MANUAL GAUGE

NATURAL FLOW

LONG RIVER NEAR HOLMFIELD - STATION NO. 05OA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.056 B	0.505 B	0.202 B	0.047	0	0	0	0	---	---	1
2	---	---	0.056 B	0.420 B	0.182 B	0.034	0	0	0	0	---	---	2
3	---	---	0.063 B	0.382 B	0.310 B	0.021	0	0	0	0	---	---	3
4	---	---	0.068 B	0.430 B	0.767	0.015	0	0	0	0	---	---	4
5	---	---	0.068 B	0.462 B	0.928	0.017	0	0	0	0	---	---	5
6	---	---	0.079 B	0.263 B	1.35	0.027	0	0	0	0	---	---	6
7	---	---	0.127 B	0.164 B	1.73	0.075	0	0	0	0	---	---	7
8	---	---	0.216 B	0.169 B	1.72	0.049	0	0	0	0	---	---	8
9	---	---	0.225 B	0.129 B	1.54	0.044	0	0	0	0	---	---	9
10	---	---	0.121 B	0.125	1.36	0.042	0	0	0	0	---	---	10
11	---	---	0.121 B	0.197	1.30	0.031	0	0	0	0	---	---	11
12	---	---	0.152 B	0.316	1.01	0.033	0	0	0	0	---	---	12
13	---	---	0.685 B	0.484	0.766	0.035	0	0	0	0	---	---	13
14	---	---	0.647 B	0.634	0.637	0.023	0	0	0	0	---	---	14
15	---	---	0.727 B	0.676	0.510	0.025	0	0	0	0	---	---	15
16	---	---	0.635 B	0.676	0.403	0.013	0	0	0	0	---	---	16
17	---	---	0.705 B	0.592	0.317	0.010	0	0	0	0	---	---	17
18	---	---	1.09 B	0.415	0.252	0.005	0	0	0	0	---	---	18
19	---	---	1.87 B	0.315	0.237	0.004	0	0	0	0.002	---	---	19
20	---	---	3.03 B	0.255	0.223	0.003	0	0	0	0.004	---	---	20
21	---	---	2.44 B	0.213	0.186	0.003	0	0	0	0.002	---	---	21
22	---	---	3.26 B	0.181	0.176	0.002	0	0	0	0.001	---	---	22
23	---	---	3.01 B	0.156	0.132	0.001	0	0	0	0.034	---	---	23
24	---	---	3.81 B	0.172	0.128	0.001	0	0	0	0.055	---	---	24
25	---	---	2.59 B	0.165	0.121	0	0	0	0	0.031	---	---	25
26	---	---	2.25 B	0.112	0.117	0	0	0	0	0.025 B	---	---	26
27	---	---	1.63 B	0.506 B	0.087	0	0	0	0	0.036 B	---	---	27
28	---	---	1.04 B	1.37 B	0.056	0	0	0	0	0.035 B	---	---	28
29	---	---	0.666 B	1.37 B	0.048	0	0	0	0	0.041 B	---	---	29
30	---		0.564 B	0.627 B	0.051	0	0	0	0	0.037 B	---	---	30
31	---		0.639 B		0.062		0	0		0.032 B		---	31
TOTAL	---	---	32.732	13.339	16.873	0.560	0	0	0	0.339	---	---	TOTAL
MEAN	---	---	1.06	0.461	0.545	0.019	0	0	0	0.011	---	---	MEAN
MAX	---	---	3.81	1.37	1.72	0.075	0	0	0	0.055	---	---	MAX
MIN	---	---	0.056	0.112	0.048	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.261
MAXIMUM DAILY, 3.818 ON MAR 23
MINIMUM DAILY, 0 ON JUN 25
MAXIMUM INSTANTANEOUS,
4.580 AT 07.45 CST ON MAR 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 51 N
LONG 99 24 51 W
DRAINAGE AREA, 576 km²

B - ICE CONDITIONS

REGULATED SINCE 1956

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	2 830	SEP	0
APR	1 150	OCT	29.3
MAY	1 470	NOV	---
JUN	48.4	DEC	---

TOTAL DISCHARGE, 5 530 dam³

LOON RIVER ABOVE BRITTUN LAKE - STATION NO. 06EA006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.565 B	0.457 B	0.530 B	0.638	4.08	1.66	1.55	0.405	6.35	2.28	2.18	1.30 B	1
2	0.573 B	0.457 B	0.537 B	0.655	3.86	1.87	1.58	0.370	6.17	2.21	2.09	1.32 B	2
3	0.565 B	0.453 B	0.544 B	0.616	3.84	1.81	1.54	0.356	6.05	2.11	2.01	1.29 B	3
4	0.562 B	0.453 B	0.551 B	0.627	3.37	1.57	1.48	0.336	5.93	1.90	2.01	1.27 B	4
5	0.555 B	0.453 B	0.558 B	0.663	3.05	1.79	1.43	0.321	5.79	1.85	2.01 B	1.23 B	5
6	0.551 B	0.453 B	0.558 B	0.701	2.87	1.77	1.38	0.293	5.62	1.74	1.90 B	1.21 B	6
7	0.548 B	0.457 B	0.558 B	0.728	2.89	1.56	1.29	0.303	5.54	1.63	1.77 B	1.26 B	7
8	0.544 B	0.453 B	0.558 B	0.764	2.53	1.60	1.22	0.340	5.76	1.61	1.84 B	1.26 B	8
9	0.541 B	0.453 B	0.558 B	0.875	2.38	1.51	1.17	0.341	5.66	1.56	1.78 B	1.26 B	9
10	0.534 B	0.453 B	0.558 B	1.20	2.22	1.46	1.12	0.340	5.88	1.55	1.74 B	1.22 B	10
11	0.530 B	0.453 B	0.558 B	1.72	2.21	1.42	1.08	0.333	5.78	1.48	1.72 B	1.23 B	11
12	0.523 B	0.453 B	0.562 B	2.38	2.06	1.36	1.03	0.321	5.60	1.46	1.67 B	1.19 B	12
13	0.516 B	0.457 B	0.562 B	2.86	2.05	1.38	0.990	0.321	5.43	1.42	1.62 B	1.17 B	13
14	0.513 B	0.460 B	0.562 B	3.22	1.97	1.33	0.950	0.409	5.26	1.37	1.65 B	1.17 B	14
15	0.508 B	0.464 B	0.565 B	3.46	1.86	1.35	0.916	0.415	5.08	1.33	1.70 B	1.15 B	15
16	0.506 B	0.464 B	0.569 B	3.87	1.80	1.35	0.887	0.426	4.80	1.33	1.71 B	1.12 B	16
17	0.502 B	0.467 B	0.573 B	4.80	1.73	1.34	0.853	0.436	4.69	1.51	1.68 B	1.09 B	17
18	0.498 B	0.471 B	0.577 B	6.02	1.84	1.35	0.816	0.433	4.43	1.76	1.68 B	1.08 B	18
19	0.495 B	0.474 B	0.581 B	7.07	2.00	1.40	0.781	0.436	4.27	2.08	1.67 B	1.08 B	19
20	0.492 B	0.478 B	0.588 B	7.70	2.04	1.46	0.707	0.684	4.08	2.33	1.66 B	1.08 B	20
21	0.488 B	0.481 B	0.588 B	7.83	2.18	1.84	0.676	3.73	3.83	2.51	1.64 B	1.07 B	21
22	0.485 B	0.485 B	0.593 B	7.87	2.47	1.83	0.658	6.97	3.51	2.65	1.66 B	1.06 B	22
23	0.481 B	0.488 B	0.597 B	7.64	2.56	1.82	0.644	7.91	3.34	2.80	1.63 B	1.04 B	23
24	0.479 B	0.492 B	0.601 B	7.28	2.71	1.86	0.641	8.10	3.26	2.81	1.64 B	1.04 B	24
25	0.471 B	0.495 B	0.601 B	6.86	2.65	1.86	0.640	7.87	3.13	2.75	1.62 B	1.02 B	25
26	0.487 B	0.502 B	0.605 B	6.16	2.61	1.88	0.629	7.52	2.91	2.79	1.55 B	1.00 B	26
27	0.484 B	0.505 B	0.608 B	5.76	2.46	1.88	0.613	7.21	2.82	2.79	1.51 B	1.00 B	27
28	0.484 B	0.516 B	0.613 B	5.29	2.48	1.88	0.577	7.01	2.70	2.64	1.44 B	0.983 B	28
29	0.468 B	0.523 B	0.672	4.76	2.26	1.89	0.530	6.88	2.60	2.53	1.40 B	0.972 B	29
30	0.468 B		0.654	4.60	2.13	1.77	0.469	6.73	2.42	2.43	1.36 B	0.970 B	30
31	0.467 B		0.655		1.99		0.431	6.53		2.27		0.933	31
TOTAL	15.818	13.670	17.984	116.767	76.86	49.46	28.360	84.113	138.93	63.49	51.66	35.118	TOTAL
MEAN	0.510	0.471	0.580	3.89	2.48	1.65	0.917	2.71	4.63	2.05	1.72	1.13	MEAN
MAX	0.565	0.523	0.672	7.87	4.08	1.89	1.58	8.10	6.35	2.81	2.18	1.36	MAX
MIN	0.467	0.453	0.530	0.616	1.73	1.33	0.431	0.293	2.42	1.33	1.36	0.933	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.89
MAXIMUM DAILY, 8.10 ON AUG 24
MINIMUM DAILY, 0.293 ON AUG 6
MAXIMUM INSTANTANEOUS,
8.27 ON AUG 24

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 03 16 N
LONG 101 51 30 W
DRAINAGE AREA, 1 420 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 370	JUL	2 540
FEB	1 180	AUG	7 270
MAR	1 550	SEP	12 000
APR	9 820	OCT	5 490
MAY	6 650	NOV	4 450
JUN	4 270	DEC	3 030

TOTAL DISCHARGE, 59 700 dam³

MAIN DRAIN 4A NEAR DOMINION CITY - STATION NO. 05DD028

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.30 B	0.012	0	0.010	0	0	0	---	---	1
2	---	---	0 B	1.08	0.011	0	0.010	0	0	0	---	---	2
3	---	---	0 B	0.885	0.010	0	0.008	0	0	0	---	---	3
4	---	---	0 B	0.489	0.009	0	0.004	0	0	0	---	---	4
5	---	---	0 B	0.345	0.008	0	0.003	0	0	0	---	---	5
6	---	---	0 B	0.321	0.007	0.001	0.002	0	0	0	---	---	6
7	---	---	0 B	0.267	0.006	0.002	0.002	0	0	0	---	---	7
8	---	---	0 B	0.213	0.004	0.039	0.002	0	0	0	---	---	8
9	---	---	0 B	0.143	0.003	0.529	0.002	0	0	0	---	---	9
10	---	---	0 B	0.085	0.003	0.788	0.001	0	0	0	---	---	10
11	---	---	0 B	0.074	0.003	0.484	0.001	0	0	0	---	---	11
12	---	---	0 B	0.052	0.002	0.288	0.001	0	0	0	---	---	12
13	---	---	0 B	0.044	0.008	0.231	0.001	0	0	0	---	---	13
14	---	---	0 B	0.028	0.003	0.185	0.001	0	0	0	---	---	14
15	---	---	0 B	0.015	0.002	0.139	0.001	0	0	0	---	---	15
16	---	---	0 B	0.010	0.001	0.110	0.001	0	0	0	---	---	16
17	---	---	0 B	0.007	0	0.092	0	0	0	0	---	---	17
18	---	---	0 B	0.005	0	0.070	0	0	0	0	---	---	18
19	---	---	0 B	0.004	0	0.050	0	0	0	0	---	---	19
20	---	---	0 B	0.003	0	0.034	0	0	0	0	---	---	20
21	---	---	0 B	0.002	0.001	0.023	0	0	0	0	---	---	21
22	---	---	0 B	0.001	0	0.017	0	0	0	0	---	---	22
23	---	---	0 B	0.001	0	0.014	0	0	0	0	---	---	23
24	---	---	0.0218	0.001	0	0.010	0	0	0	0	---	---	24
25	---	---	0.0438	0	0	0.008	0	0	0	0	---	---	25
26	---	---	0.0808	0.008	0	0.019	0	0	0	0	---	---	26
27	---	---	0.1928	0.089	0	0.017	0	0	0	08	---	---	27
28	---	---	0.8118	0.020	0	0.014	0	0	0	08	---	---	28
29	---	---	1.06 B	0.014	0	0.010	0	0	0	08	---	---	29
30	---	---	1.17 B	0.014	0	0.007	0	0	0	08	---	---	30
31	---		1.30 B		0		0	0		08	---	---	31
TOTAL	---	---	4.877	5.448	0.090	3.189	0.048	0	0	0	---	---	TOTAL
MEAN	---	---	0.181	0.182	0.003	0.105	0.002	0	0	0	---	---	MEAN
MAX	---	---	1.30	1.30	0.012	0.788	0.010	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.055
MAXIMUM DAILY, 1.308 ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.808 AT 23:42 CST ON MAR 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 08 01 N
LONG 97 08 42 W
DRAINAGE AREA, 177 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4.15
FEB	---	AUG	0
MAR	404	SEP	0
APR	471	OCT	0
MAY	7.78	NOV	---
JUN	273	DEC	---

TOTAL DISCHARGE, 1 160 dam³

MAIN DRAIN NEAR RIDGEVILLE - STATION NO. 05DD033

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.343	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0.184	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0.127	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0.083	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0.078	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0.068	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0.058	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0.038	0	0.015	0	0	0	0	---	---	8
9	---	---	0 B	0.030	0	0.027	0	0	0	0	---	---	9
10	---	---	0 B	0.014	0	0.017	0	0	0	0	---	---	10
11	---	---	0 B	0.015	0	0.015	0	0	0	0	---	---	11
12	---	---	0 B	0.035	0	0.008	0	0	0	0	---	---	12
13	---	---	0 B	0.031	0	0.005	0	0	0	0	---	---	13
14	---	---	0 B	0.018	0	0.003	0	0	0	0	---	---	14
15	---	---	0 B	0.008	0	0.002	0	0	0	0	---	---	15
16	---	---	0 B	0.004	0	0.002	0	0	0	0	---	---	16
17	---	---	0 B	0.002	0	0.002	0	0	0	0	---	---	17
18	---	---	0 B	0.001	0	0.001	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0.021	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0.028	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0.018	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0.008	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0.005	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0.003	---	---	26
27	---	---	0.4888	0	0	0	0	0	0	0.001	---	---	27
28	---	---	1.82 B	0	0	0	0	0	0	0 B	---	---	28
29	---	---	0.8218	0.001	0	0	0	0	0	0 B	---	---	29
30	---	---	0.4438	0	0	0	0	0	0	0 B	---	---	30
31	---		0.3068		0		0	0		0 B	---	---	31
TOTAL	---	---	3.488	1.037	0	0.088	0	0	0	0.086	---	---	TOTAL
MEAN	---	---	0.111	0.035	0	0.003	0	0	0	0.003	---	---	MEAN
MAX	---	---	1.82	0.343	0	0.027	0	0	0	0.028	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.018
MAXIMUM DAILY, 1.82B ON MAR 28
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.03B AT 00:34 CST ON MAR 28

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 40 N
LONG 97 04 10 W
DRAINAGE AREA, 48.8 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	288	SEP	0
APR	85.8	OCT	7.43
MAY	0	NOV	---
JUN	8.47	DEC	---

TOTAL DISCHARGE, 405 dam³

MANIGOTAGAN RIVER NEAR MANIGOTAGAN - STATION NO. 05RA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.238	2.088	2.018	2.23	7.18	9.80	26.2	12.8	4.90	3.37	9.318	13.4 B	1
2	2.188	2.028	2.018	2.39	8.78	9.83	26.4	12.3	4.77	3.31	9.288	13.0 B	2
3	2.238	1.998	2.078	2.88	8.53	9.58	25.8	12.0	4.88	3.29	9.838	12.8 B	3
4	2.238	1.990	2.158	3.03	8.37	9.32	25.3	11.7	4.63	3.26	9.788	12.6 B	4
5	2.218	1.938	2.148	3.35	8.01	9.18	25.2	11.3	4.48	3.31	10.0 B	12.1 B	5
6	2.188	1.888	2.008	3.89	5.80	9.37	24.8	11.0	4.41	3.32	10.2 B	12.0 B	6
7	2.118	1.908	2.038	4.39	5.79	10.1	24.2	10.5	4.38	3.28	10.5 B	12.4 B	7
8	2.028	1.888	2.048	4.89	5.88	10.5	24.2	10.1	4.28	3.24	10.8 B	12.2 B	8
9	1.988	1.898	2.058	5.21	5.95	11.1	23.8	9.89	4.20	3.22	11.2 B	11.8 B	9
10	1.898	2.018	2.248	5.42	6.03	11.8	23.3	9.40	4.18	3.19	11.6 B	11.6 B	10
11	1.888	2.018	2.368	5.60	8.23	12.0	22.8	9.05	4.12	3.22	11.8 B	11.3 B	11
12	1.918	2.008	2.228	5.06	8.36	12.0	22.0	8.78	4.22	3.30	12.2 B	10.8 B	12
13	1.928	2.028	2.418	5.22	8.38	12.2	21.4	8.57	4.22	3.22	12.6 B	10.7 B	13
14	1.898	2.008	2.838	5.87	8.31	12.1	21.3	8.27	4.01	3.15	12.8 B	10.7 B	14
15	1.898	2.058	2.808	5.88	8.27	12.1	20.8	7.98	3.92	3.64	13.0 B	10.6 B	15
16	2.048	2.188	2.878	5.27	8.20	12.3	20.2	7.88	3.85	3.80	13.6 B	10.4 B	16
17	2.118	2.188	2.748	4.80	8.24	20.1	20.2	7.88	3.83	4.56	13.6 B	10.2 B	17
18	2.128	2.158	2.648	4.61	8.30	30.7	19.6	7.37	3.75	5.01	13.6 B	9.868	18
19	2.088	2.128	2.588	4.38	8.86	28.7	18.5	7.13	3.68	5.49	13.6 B	10.0 B	19
20	2.068	2.068	2.508	4.24	7.17	26.0	17.9	6.89	3.66	6.56	13.6 B	9.728	20
21	2.138	2.058	2.498	4.12	7.70	22.9	17.5	6.70	3.56	7.06	13.6 B	9.708	21
22	2.278	2.028	2.448	4.18	7.80	30.7	17.5	6.50	3.75	7.27	13.6 B	9.228	22
23	2.208	1.998	2.13	3.80	7.82	32.4	18.8	6.25	3.69	7.18	13.7 B	8.978	23
24	2.048	1.988	2.08	3.68	8.56	32.2	18.1	6.11	3.67	7.30	13.7 B	8.698	24
25	2.098	1.858	2.08	3.62	8.24	30.6	15.6	6.10	3.86	7.35	13.7 B	8.688	25
26	2.048	1.958	2.13	3.58	8.31	28.8	15.4	6.03	3.80	7.49	13.7 B	8.706	26
27	1.968	1.978	2.18	4.07	8.33	28.1	14.8	5.78	3.64	8.01	14.0 B	8.138	27
28	1.978	2.028	2.28	5.80	8.28	27.6	14.0	5.62	3.61	8.11	14.2 B	8.288	28
29	2.088	1.998	2.19	7.86	8.18	26.8	13.5	5.38	3.44	8.868	14.2 B	9.378	29
30	2.088		2.17	7.62	8.15	26.6	13.3	5.16	3.40	9.628	13.8 B	9.028	30
31	2.058		2.17		8.18		13.2	4.95		9.388		8.738	31
TOTAL	64.15	58.43	70.82	139.15	223.04	584.07	621.4	254.95	119.89	164.38	371.69	328.57	TOTAL
MEAN	2.07	2.01	2.28	4.64	7.19	18.8	20.0	8.22	3.99	5.30	12.4	10.6	MEAN
MAX	2.27	2.18	2.87	7.86	9.33	32.4	26.4	12.8	4.90	9.86	14.2	13.4	MAX
MIN	1.86	1.86	2.00	2.23	5.79	9.18	13.2	4.95	3.40	3.15	9.28	8.86	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.14
MAXIMUM DAILY, 32.4 ON JUN 23
MINIMUM DAILY, 1.858 ON JAN 10
MAXIMUM INSTANTANEOUS,
32.9 AT 16:27 CST ON JUN 23

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 05 54 N
LONG 95 17 00 W
DRAINAGE AREA, 1 800 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 540	JUL	53 700
FEB	5 050	AUG	22 030
MAR	6 120	SEP	10 300
APR	12 000	OCT	14 200
MAY	19 300	NOV	32 100
JUN	48 700	DEC	28 400

TOTAL DISCHARGE, 257 000 dam³

MANISTIKWAN LAKE NEAR FLIN FLON - STATION NO 05KG005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	1.534	1.552	1.519	1.405	1.415	---	---	1
2	---	---	---	---	---	1.540	1.546	1.509	1.401	1.422	---	---	2
3	---	---	---	---	---	1.545	1.548	1.503	1.403	1.425	---	---	3
4	---	---	---	---	---	1.543	1.545	1.497	1.398	1.422	---	---	4
5	---	---	---	---	---	1.544	1.538	1.491	1.392	1.418	---	---	5
6	---	---	1.383A	---	---	1.545	1.528	1.486	1.389	1.419	---	---	6
7	---	---	---	---	---	1.562	1.521	1.492	1.415	1.418	---	---	7
8	---	---	---	---	---	1.575	1.518	1.487	1.454	1.417	---	---	8
9	---	---	---	---	---	1.572	1.518	1.478	1.481	1.415	---	---	9
10	---	---	---	---	---	1.567	1.517	1.463	1.481	1.417	---	---	10
11	---	---	---	---	---	1.568	1.514	1.483	1.459	1.418	---	---	11
12	---	---	---	---	---	1.565	1.508	1.459	1.480	1.421	---	---	12
13	---	---	---	---	---	1.558	1.509	1.456	1.459	1.420	---	---	13
14	---	---	---	---	---	1.552	1.541	1.472	1.458	1.418	---	---	14
15	---	---	---	---	---	1.548	1.538	1.481	1.450	1.422	---	---	15
16	---	---	---	---	---	1.551	1.533	1.456	1.449	1.450	---	---	16
17	---	---	---	1.522A	---	1.557	1.528	1.448	1.447	1.468	---	---	17
18	---	---	---	---	---	1.559	1.528	1.446	1.446	1.480	---	---	18
19	---	---	---	---	---	1.559	1.523	1.441	1.442	1.489	---	---	19
20	---	---	---	---	---	1.557	1.518	1.445	1.443	1.494	---	---	20
21	---	---	---	---	---	1.571	1.530	1.444	1.441	1.495	---	---	21
22	---	---	---	---	---	1.573	1.529	1.430	1.451	1.498	---	---	22
23	---	---	---	---	1.532	1.571	1.528	1.423	1.438	1.500	---	---	23
24	---	---	---	---	1.530	1.563	1.523	1.419	1.432	1.500	---	---	24
25	---	---	---	---	1.526	1.578	1.521	1.417	1.431	1.498	---	---	25
26	---	---	---	---	1.526	1.581	1.540	1.425	1.429	1.499	---	---	26
27	---	---	---	---	1.528	1.575	1.538	1.422	1.426	1.498	---	---	27
28	---	---	---	---	1.528	1.570	1.538	1.417	1.422	1.433	---	---	28
29	---	---	---	---	1.531	1.568	1.532	1.411	1.422	1.491	---	---	29
30	---		---	---	1.533	1.559	1.533	1.421	1.418	1.487	---	---	30
31	---		---		1.535		1.523	1.411		1.488A		---	31
MEAN	---	---	---	---	---	1.560	1.529	1.455	1.433	1.458	---	---	MEAN
MAX	---	---	---	---	---	1.581	1.582	1.515	1.481	1.500	---	---	MAX
MIN	---	---	---	---	---	1.536	1.508	1.411	1.389	1.415	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 1.581 ON JUN 26

MAXIMUM INSTANTANEOUS,
1.583 AT 20:23 CST ON JUN 26

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 43 00 N
LONG 101 48 00 W

A - MANUAL GAUGE

REGULATED

MANNES DRAIN NEAR SANFORD - STATION NO. 05DE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 265B	0.004	0	0	0	0	0	---	---	1
2	---	---	0 B	0 548	0 015	0	0	0	0	0	---	---	2
3	---	---	0 B	0 405	0 034	0	0	0	0	0	---	---	3
4	---	---	0 B	0.388	0 051	0	0	0	0	0	---	---	4
5	---	---	0 B	0.278	0.043	0	0	0	0	0	---	---	5
6	---	---	0 B	0 259	0 026	0	0	0	0	0	---	---	6
7	---	---	0 B	0.210	0 018	0	0	0	0	0	---	---	7
8	---	---	0 B	0 176	0 010	0	0	0	0	0	---	---	8
9	---	---	0 B	0 084	0 008	0	0 008	0	0	0	---	---	9
10	---	---	0 B	0.048	0 002	0	0 034	0	0	0	---	---	10
11	---	---	0 B	0 044	0	0	0 018	0	0	0	---	---	11
12	---	---	0 B	0 050	0	0 004	0 008	0	0	0	---	---	12
13	---	---	0 B	0 040	0	0 010	0.002	0	0	0	---	---	13
14	---	---	0 B	0 023	0	0 007	0 001	0	0	0	---	---	14
15	---	---	0 B	0 012	0	0 008	0	0	0	0	---	---	15
16	---	---	0 B	0 007	0	0 003	0	0	0	0	---	---	16
17	---	---	0 B	0 004	0	0 007	0	0	0	0	---	---	17
18	---	---	0 B	0 001	0	0 008	0	0	0	0	---	---	18
19	---	---	0 B	0 001	0	0 008	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0 004	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0 001	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0 005	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0 006	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 0288	0	0	0	0	0	0	0	---	---	25
26	---	---	0 0618	0	0	0	0	0	0	0	---	---	26
27	---	---	0 0438	0	0	0	0	0	0	0	---	---	27
28	---	---	0 0048	0	0	0	0	0	0	0E	---	---	28
29	---	---	0 0148	0	0	0	0	0	0	0B	---	---	29
30	---	---	0 0348	0 008	0	0	0	0	0	0B	---	---	30
31	---	---	0 2168		0		0	0		0B		---	31
TOTAL	---	---	0 418	2 858	0 208	0 088	0 070	0	0	0	---	---	TOTAL
MEAN	---	---	0 013	0 095	0 007	0 003	0 002	0	0	0	---	---	MEAN
MAX	---	---	0 216	0 548	0 051	0 010	0 034	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 015
MAXIMUM DAILY, 0 548 ON APR 2
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0 661 AT 18:48 CST ON APR 2

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 14 N
LONG 97 22 32 W

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	8 05
FEB	---	AUG	0
MAR	38 1	SEP	0
APR	247	OCT	0
MAY	18 1	NOV	---
JUN	5 88	DEC	---

TOTAL DISCHARGE, 313 dam³

MANNING CANAL NEAR ILE DES CHENES - STATION NO. 05DE008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.34 B	0 250	0 041	0 288	0 184	0	0 102	---	---	1
2	---	---	0 B	2 05 B	0 233	0 034	0 261	0 144	0	0 089	---	---	2
3	---	---	0 B	1 51 B	0 210	0 028	0 230	0 122	0 005	0 087	---	---	3
4	---	---	0 B	1 17 B	0 181	0 028	0 247	0 088	0 017	0 083	---	---	4
5	---	---	0 B	2 13 B	0 158	0 031	0 258	0 078	0 029	0 092	---	---	5
6	---	---	0 B	0 648	0 142	0 038	0 231	0 081	0 034	0 108	---	---	6
7	---	---	0 B	0 451	0 128	0 070	0 216	0 082	0 034	0 220	---	---	7
8	---	---	0 B	0 398	0 118	0 143	0 212	0 080	0 035	0 205	---	---	8
9	---	---	0 B	0 324	0 110	1 13	0 258	0 039	0 038	0 147	---	---	9
10	---	---	0 B	0 267	0 101	3 37	0 283	0 029	0 041	0 122	---	---	10
11	---	---	0 B	0 217	0 090	3 26	0 333	0 032	0 052	0 112	---	---	11
12	---	---	0 B	0 231	0 083	3 05	0 331	0 013	0 122	0 155	---	---	12
13	---	---	0 B	0 227	0 078	7 71	0 284	0 004	0 184	0 213	---	---	13
14	---	---	0 B	0 234	0 070	4 10	0 288	0	0 147	0 205	---	---	14
15	---	---	0 B	0 188	0 084	2 10	0 334	0	0 147	0 218	---	---	15
16	---	---	0 B	0 180	0 058	1 26	0 330	0	0 151	0 238	---	---	16
17	---	---	0 B	0 140	0 118	1 40	0 305	0	0 136	0 257	---	---	17
18	---	---	0 B	0 128	0 238	2 63	0 280	0	0 134	0 303	---	---	18
19	---	---	0 B	0 133	0 218	1 37	0 247	0	0 118	0 283	---	---	19
20	---	---	0 B	0 118	0 188	0 881	0 205	0 078	0 114	0 258	---	---	20
21	---	---	0 B	0 118	0 132	0 611	0 188	0 112	0 116	0 315	---	---	21
22	---	---	0 B	0 120	0 080	0 320	0 134	0 080	0 117	0 352	---	---	22
23	---	---	0 B	0 118	0 077	0 288	0 102	0 082	0 111	0 283	---	---	23
24	---	---	0.600B	0 118	0 078	0 471	0 077	0 043	0 102	0 233	---	---	24
25	---	---	1 84 B	0 113	0 088	0 484	0 080	0 032	0 117	0 187	---	---	25
26	---	---	2 20 B	0 102	0 081	0 424	0 117	0 024	0 152	0 159	---	---	26
27	---	---	3 40 B	0 121	0 088	0 509	0 330	0 014	0 148	0 181	---	---	27
28	---	---	3 80 B	0 172	0 088	0 444	0 308	0 001	0 131	0 150	---	---	28
29	---	---	3 42 B	0 307	0 088	0 377	0 338	0	0 118	0 0888	---	---	29
30	---	---	2 87 B	0 313	0 081	9 316	0 308	0	0 111	0 0848	---	---	30
31	---	---	2 57 B		0 039		0 183	0		0 0818		---	31
TOTAL	---	---	30 500	14 838	3 578	38 503	7 340	1 382	2 725	5 838	---	---	TOTAL
MEAN	---	---	0 881	0 488	0 115	1 22	0 237	0 045	0 091	0 181	---	---	MEAN
MAX	---	---	3 80	2 34	0 250	7 71	0 334	0 184	0 184	0 352	---	---	MAX
MIN	---	---	0	0 102	0 039	0 039	0 080	0	0	0 081	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 377
MAXIMUM DAILY, 7 71 ON JUN 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9 39 AT 06:58 CST ON JUN 13

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 50 N
LONG 96 54 20 W
DRAINAGE AREA, 490 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	634
FEB	---	AUG	119
MAR	1 770	SEP	236
APR	1 280	OCT	488
MAY	308	NOV	---
JUN	3 150	DEC	---

TOTAL DISCHARGE, 7 980 dam³

MAPLE (MARSHY) LAKE NEAR PIPESTONE - STATION NO 05MD022

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	430.213	430.333	430.280	430.085	DRY	DRY	DRY	---	---	1
2	---	---	---	430.210	430.345	430.261	430.085	DRY	DRY	DRY	---	---	2
3	---	---	---	430.207	430.362	430.231	430.073	DRY	DRY	DRY	---	---	3
4	---	---	---	430.206	430.375	430.228	430.061	DRY	DRY	DRY	---	---	4
5	---	---	---	430.203	430.375	430.222	430.050	DRY	DRY	DRY	---	---	5
6	---	---	---	430.198	430.373	430.218	430.038	DRY	DRY	DRY	---	---	6
7	---	---	---	430.196	430.368	430.231	430.032	DRY	DRY	DRY	---	---	7
8	---	---	---	430.189	430.363	430.217	430.028	DRY	DRY	DRY	---	---	8
9	---	---	---	430.185	430.358	430.212	430.018	DRY	DRY	DRY	---	---	9
10	---	---	---	430.186	430.357	430.208	429.989	DRY	DRY	DRY	---	---	10
11	---	---	---	430.183	430.354	430.198	429.988	DRY	DRY	DRY	---	---	11
12	---	---	---	430.231	430.352	430.196	429.968	DRY	DRY	DRY	---	---	12
13	---	---	---	430.262	430.350	430.194	429.899	DRY	DRY	DRY	---	---	13
14	---	---	---	430.286	430.346	430.188	DRY	DRY	DRY	DRY	---	---	14
15	---	---	---	430.286	430.340	430.184	DRY	DRY	DRY	429.958A	---	---	15
16	---	---	---	430.286	430.333	430.178	DRY	DRY	DRY	429.898	---	---	16
17	---	---	---	430.286	430.328	430.177	DRY	DRY	DRY	429.983	---	---	17
18	---	---	---	430.284	430.318	430.167	DRY	DRY	DRY	429.923	---	---	18
19	---	---	---	430.283	430.311	430.158	DRY	DRY	DRY	429.983	---	---	19
20	---	---	---	430.280	430.308	430.149	DRY	DRY	DRY	430.021	---	---	20
21	---	---	---	430.276	430.309	430.143	DRY	DRY	DRY	430.027	---	---	21
22	---	---	---	430.276	430.308	430.145	DRY	DRY	DRY	430.026	---	---	22
23	---	---	---	430.273	430.301	430.150	DRY	DRY	DRY	430.027	---	---	23
24	---	---	---	430.270	430.301	430.158	DRY	DRY	DRY	430.026	---	---	24
25	---	---	---	430.287	430.299	430.147	DRY	DRY	DRY	430.023	---	---	25
26	---	---	---	430.286	430.295	430.140	DRY	DRY	DRY	430.008E	---	---	26
27	---	---	---	430.276	430.288	430.132	DRY	DRY	DRY	429.990E	---	---	27
28	---	---	430.324A	430.288	430.283	430.124	DRY	DRY	DRY	429.973E	---	---	28
29	---	---	430.220	430.313	430.277	430.113	DRY	DRY	DRY	429.955E	---	---	29
30	---		430.218	430.333	430.267	430.105	DRY	DRY	DRY	429.938A	---	---	30
31	---		430.218		430.250		DRY	DRY		429.935E		---	31
MEAN	---	---	---	430.251	430.327	430.180	---	DRY	DRY	---	---	---	MEAN
MAX	---	---	---	430.323	430.375	430.250	430.085	DRY	DRY	430.026	---	---	MAX
MIN	---	---	---	430.186	430.280	430.105	DRY	DRY	DRY	DRY	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 430.375 ON MAY 4

MAXIMUM INSTANTANEOUS,
430.377 AT 15:47 CST ON MAY 4

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 14 N
LONG 100 48 58 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1988

DRAINAGE AREA,
1 170 km²

MARSH RIVER NEAR DYTERSBURNE - STATION NO 05OE010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.1758	0.048	0.015	0.280	0.080	0	0	---	---	1
2	---	---	0 B	0.1858	0.042	0.013	0.285	0.046	0	0	---	---	2
3	---	---	0 B	0.1138	0.044	0.009	0.276	0.042	0	0	---	---	3
4	---	---	0 B	0.0698	0.048	0.005	0.258	0.036	0	0	---	---	4
5	---	---	0 B	0.1128	0.049	0.005	0.240	0.032	0	0	---	---	5
6	---	---	0 B	0.384	0.047	0.028	0.328	0.032	0	0	---	---	6
7	---	---	0 B	0.686	0.042	0.251	0.223	0.032	0	0	---	---	7
8	---	---	0 B	0.700	0.038	1.04	0.233	0.034	0	0	---	---	8
9	---	---	0 B	0.582	0.041	2.88	0.222	0.034	0	0	---	---	9
10	---	---	0 B	0.429	0.043	3.24	0.210	0.033	0	0	---	---	10
11	---	---	0 B	0.344	0.043	2.84	0.202	0.030	0	0	---	---	11
12	---	---	0 B	0.285	0.045	1.82	0.193	0.028	0	0	---	---	12
13	---	---	0 B	0.322	0.080	1.44	0.188	0.024	0	0	---	---	13
14	---	---	0 B	0.156	0.082	1.18	0.178	0.021	0	0	---	---	14
15	---	---	0 B	0.111	0.080	1.01	0.167	0.017	0	0	---	---	15
16	---	---	0 B	0.078	0.068	0.908	0.158	0.014	0	0	---	---	16
17	---	---	0 B	0.045	0.068	0.806	0.148	0.010	0	0	---	---	17
18	---	---	0 B	0.019	0.041	0.851	0.141	0.008	0	0	---	---	18
19	---	---	0 B	0.020	0.040	0.802	0.128	0.002	0	0	---	---	19
20	---	---	0 E	0.038	0.041	0.761	0.124	0.002	0	0	---	---	20
21	---	---	0 B	0.037	0.038	0.705	0.118	0	0	0	---	---	21
22	---	---	0.0088	0.044	0.040	0.685	0.112	0	0	0	---	---	22
23	---	---	0.0158	0.049	0.037	0.803	0.105	0	0	0	---	---	23
24	---	---	0.0338	0.058	0.038	0.651	0.098	0	0	0	---	---	24
25	---	---	0.0578	0.068	0.034	0.524	0.090	0	0	0	---	---	25
26	---	---	0.0808	0.068	0.032	0.480	0.083	0	0	0	---	---	26
27	---	---	0.1038	0.067	0.030	0.488	0.078	0	0	0	---	---	27
28	---	---	0.1138	0.062	0.028	0.411	0.068	0	0	0	---	---	28
29	---	---	0.3068	0.062	0.025	0.363	0.061	0	0	0B	---	---	29
30	---		0.2278	0.061	0.022	0.328	0.055	0	0	0B	---	---	30
31	---		0.1808		0.018		0.053	0		0B		---	31
TOTAL	---	---	1.030	5.285	1.237	24.785	5.008	0.525	0	0	---	---	TOTAL
MEAN	---	---	0.033	0.178	0.040	0.827	0.161	0.017	0	0	---	---	MEAN
MAX	---	---	0.227	0.700	0.082	3.24	0.280	0.080	0	0	---	---	MAX
MIN	---	---	0	0.018	0.018	0.005	0.053	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.185
MAXIMUM DAILY, 3.24 ON JUN 10
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.38 AT 07:48 CST ON JUN 10

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 00 N
LONG 97 09 20 W
DRAINAGE AREA, 446 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	433
FEB	---	AUG	46.4
MAR	82.8	SEP	0
APR	455	OCT	0
MAY	107	NOV	---
JUN	2 140	DEC	---

TOTAL DISCHARGE, 3 270 dam³

MARY JANE RESERVOIR NEAR LA RIVIERE - STATION NO. 05ED014

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	487.850	487.820	487.812	488.270	488.428	488.480	488.434	488.281	488.147	488.071	488.110	488.081	1
2	487.848	487.819	487.813	488.282	488.428	488.452	488.427	488.279	488.142	488.068	488.108	488.082	2
3	487.848	487.818	487.818	488.306	488.430	488.447	488.421	488.274	488.140	488.085	488.108	488.082	3
4	487.849	487.817	487.818	488.318	488.438	488.443	488.413	488.268	488.137	488.082	488.107	488.083	4
5	487.849	487.817	487.818	488.328	488.447	488.442	488.405	488.263	488.133	488.080	488.105	488.083	5
6	487.848	487.817	487.817	488.340	488.454	488.440	488.399	488.258	488.129	488.078	488.102	488.083	6
7	487.848	487.818	487.818	488.349	488.466	488.441	488.393	488.261	488.124	488.080	488.101	488.084	7
8	487.847	487.815	487.819	488.389	488.504	488.451	488.390	488.255	488.121	488.089	488.098	488.083	8
9	487.847	487.814	487.818	488.384	488.517	488.466	488.390	488.260	488.118	488.081	488.094	488.084	9
10	487.847	487.813	487.818	488.389	488.525	488.473	488.389	488.263	488.118	488.080	488.094	488.084	10
11	487.848	487.810	487.821	488.378	488.527	488.478	488.387	488.264	488.114	488.081	488.092	488.085	11
12	487.847	487.810	487.822	488.394	488.523	488.478	488.382	488.263	488.114	488.082	488.091	488.084	12
13	487.846	487.808	487.822	488.408	488.513	488.481	488.378	488.261	488.128	488.082	488.091	488.083	13
14	487.846	487.808	487.823	488.413	488.511	488.482	488.376	488.258	488.129	488.082	488.090	488.082	14
15	487.842	487.806	487.823	488.414	488.509	488.482	488.370	488.252	488.129	488.082	488.090	488.081	15
16	487.837	487.807	487.823	488.415	488.488	488.481	488.363	488.245	488.130	488.088	488.089	488.080	16
17	487.836	487.807	487.822	488.414	488.486	488.480	488.358	488.237	488.129	488.070	488.088	488.089	17
18	487.835	487.808	487.821	488.414	488.484	488.478	488.352	488.231	488.128	488.071	488.087	488.088	18
19	487.834	487.808	487.821	488.415	488.482	488.478	488.346	488.224	488.122	488.075	488.086	488.086	19
20	487.832	487.809	487.820	488.414	488.482	488.478	488.339	488.219	488.117	488.082	488.082	488.087	20
21	487.832	487.809	487.821	488.414	488.488	488.478	488.334	488.217	488.112	488.080	488.082	488.085	21
22	487.830	487.810	487.822	488.413	488.497	488.473	488.330	488.216	488.105	488.088	488.081	488.084	22
23	487.828	487.813	487.823	488.411	488.498	488.468	488.325	488.213	488.098	488.089	488.080	488.083	23
24	487.827	487.812	487.826	488.408	488.494	488.462	488.320	488.208	488.094	488.101	488.081	488.082	24
25	487.826	487.812	487.864	488.406	488.492	488.458	488.315	488.202	488.090	488.102	488.081	488.081	25
26	487.826	487.812	487.958	488.403	488.488	488.452	488.310	488.198	488.088	488.103	488.080	488.079	26
27	487.825	487.811	488.085	488.418	488.485	488.450	488.305	488.192	488.083	488.105	488.082	488.078	27
28	487.824	487.810	488.140	488.430	488.483	488.449	488.298	488.184	488.081	488.105	488.085	488.078	28
29	487.824	487.812	488.177	488.432	488.478	488.446	488.291	488.175	488.077	488.105	488.088	488.074	29
30	487.824		488.213	488.431	488.469	488.440	488.284	488.163	488.074	488.107	488.090	488.074	30
31	487.822		488.249		488.466		488.283	488.154		488.109		488.074	31
MEAN	487.838	487.812	487.882	488.385	488.486	488.463	488.358	488.233	488.115	488.078	488.092	488.087	MEAN
MAX	487.850	487.820	488.249	488.432	488.527	488.482	488.434	488.281	488.147	488.109	488.110	488.085	MAX
MIN	487.822	487.807	487.812	488.270	488.428	488.440	488.283	488.154	488.074	488.068	488.080	488.074	MIN

WATER LEVELS IN METRES

MEAN, 488.153
MAXIMUM DAILY, 488.527 ON MAY 11
MINIMUM DAILY, 487.807 ON FEB 19
MAXIMUM INSTANTANEOUS,
488.527 AT 15:37 CST ON MAY 11

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 17 14 N
LONG 98 37 27 W

REGULATED

DRAINAGE AREA,
81.6 km²

MCKINNON CREEK NEAR MCCREARY - STATION NO. 05LJ027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3788	0.1708	0.182	0.328	0.012	0	0.200	---	---	1
2	---	---	0 B	0.3828	0.5858	0.170	0.308	0.021	0	0.187	---	---	2
3	---	---	0 B	0.3888	1.02 B	0.172	0.290	0.007	0	0.215	---	---	3
4	---	---	0 B	0.3828	1.11 B	0.160	0.271	0.005	0 024	0.238	---	---	4
5	---	---	0 B	0.3888	1.03 B	0.151	0.281	0.002	0 041	0.248	---	---	5
6	---	---	0 B	0.3288	0.7958	0.185	0.258	0.003	0 014	0.273	---	---	6
7	---	---	0 B	0.2788	0 613	0.578	0.248	0.011	0 042	0.254	---	---	7
8	---	---	0 B	0.2738	0 557	0 450	0.331	0 001	0 089	0.246	---	---	8
9	---	---	0 B	0.2788	0 525	0.346	0 319	0 001	0 U89	0.242	---	---	9
10	---	---	0 B	0 284	0 778	0.318	0.260	0 002	0 078	0 237	---	---	10
11	---	---	0 B	0 288	1.08	0.248	0.217	0	0 091	0 189	---	---	11
12	---	---	0 B	0 687	0.858	0.210	0 170	0	0 129	0 201	---	---	12
13	---	---	0 B	0 718	0 733	0 191	0 181	0	0 182	0.218	---	---	13
14	---	---	0 B	0.420	0.590	0 178	0 159	0	0 158	0 218	---	---	14
15	---	---	0 B	0.301	0.478	0 187	0 148	0	0 124	0.285	---	---	15
16	---	---	0 B	0.248	0.407	0 187	0 142	0	0 118	0 844	---	---	16
17	---	---	0 B	0 224	0 344	0.258	0 130	0	0 114	0 430	---	---	17
18	---	---	0 B	0 201	0.327	0 217	0 123	0	0 112	0 318	---	---	18
19	---	---	0 B	0 193	0.338	0 171	0 112	0	0 112	0.331	---	---	19
20	---	---	0 B	0 188	0.353	0 154	0 102	0	0 127	0 878	---	---	20
21	---	---	0.0038	0 188	0 433	0.237	0 095	0	0 234	0.578	---	---	21
22	---	---	0 0088	0 182	0 388	0 878	0 091	0	0 284	0 431	---	---	22
23	---	---	0 0338	0 282	0 291	5 09	0 083	0	0 197	0 383	---	---	23
24	---	---	0 0488	0 244	0 305	1 85	0 074	0	0 168	0 298	---	---	24
25	---	---	0 0708	0 191	0 388	0 855	0 068	0	0 188	0 378	---	---	25
26	---	---	0 1338	0 181	0 334	0 855	0 083	0	0 189	0 3288	---	---	26
27	---	---	0 2118	0 0878	0 288	0 819	0 057	0	0 188	0 3258	---	---	27
28	---	---	0 3478	0 0788	0 285	0 435	0 051	0	0 180	0 2508	---	---	28
29	---	---	0 3548	0 0788	0 235	0 375	0 045	0	0 177	0 2288	---	---	29
30	---		0 3618	0 0768	0 213	0 329	0 042	0	0 180	0 1898	---	---	30
31	---		0 3688		0 188		0 038	0		0 1768		---	31
TOTAL	---	---	1 826	8 382	16 040	16 186	5 082	0 085	3 826	9 782	---	---	TOTAL
MEAN	---	---	0 062	0 280	0 517	0 540	0 163	0 002	0 118	0 316	---	---	MEAN
MAX	---	---	0 368	0 718	1 11	5 09	0 331	0 021	0 284	0 875	---	---	MAX
MIN	---	---	0	0 078	0 170	0 151	0 038	0	0	0 178	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 248
MAXIMUM DAILY, 5.09 ON JUN 23
MINIMUM DAILY, 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
5.98 AT 13:01 CST ON JUN 23

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 48 00 N
LONG 98 28 48 W
DRAINAGE AREA, 78.2 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	437
FEB	---	AUG	5.82
MAR	196	SEP	305
APR	725	OCT	845
MAY 1	390	NOV	---
JUN 1	400	DEC	---

TOTAL DISCHARGE, 5 270 dam³

MEDORA CREEK NEAR NAPINKA - STATION NO. OSNSO20

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR		APR	MAY		JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.041	0	B	0	0	0	0	0	---	---	1
2	---	---	0	B	0.024	0.0018		0	0	0	0	0	---	---	2
3	---	---	0	B	0.008	0.003		0	0	0	0	0	---	---	3
4	---	---	0	B	0.005	0.021		0	0	0	0	0	---	---	4
5	---	---	0	B	0.003	0.523		0	0	0	0	0	---	---	5
6	---	---	0	B	0.002	0.542		0	0	0	0	0	---	---	6
7	---	---	0	B	0.001	0.421		0	0	0	0	0	---	---	7
8	---	---	0	B	0	0.206		0	0	0	0	0	---	---	8
9	---	---	0	B	0	0.149		0	0	0	0	0	---	---	9
10	---	---	0	B	0	0.138		0	0	0	0	0	---	---	10
11	---	---	0	B	0	0.102		0	0	0	0	0	---	---	11
12	---	---	0	B	0	0.084		0	0	0	0	0	---	---	12
13	---	---	0	B	0.001	0.031		0	0	0	0	0	---	---	13
14	---	---	0	B	0.001	0.013		0	0	0	0	0	---	---	14
15	---	---	0	B	0.003	0.010		0	0	0	0	0	---	---	15
16	---	---	0	B	0.002	0.008		0.083	0	0	0	0	---	---	16
17	---	---	0	B	0	0.003		0.240	0	0	0	0	---	---	17
18	---	---	0	B	0	0.001		0.041	0	0	0	0	---	---	18
19	---	---	0	B	0	0		0.001	0	0	0	0	---	---	19
20	---	---	0	B	0	0		0	0	0	0	0	---	---	20
21	---	---	0	B	0	0		0	0	0	0	0	---	---	21
22	---	---	0.0018		0	0		0	0	0	0	0	---	---	22
23	---	---	0.0058		0	0		0	0	0	0	0	---	---	23
24	---	---	0.0578		0	0		0	0	0	0	0	---	---	24
25	---	---	0.5858		0	0		0	0	0	0	0	---	---	25
26	---	---	0.544		0	0		0	0	0	0	0	---	---	26
27	---	---	0.437		0	0		0	0	0	0	0	---	---	27
28	---	---	0.283		0	0		0	0	0	0	0	---	---	28
29	---	---	0.184		0	0		0	0	0	0	0	---	---	29
30	---		0.106		0	0		0	0	0	0	0	---	---	30
31	---		0.067			0			0	0		0	---	---	31
TOTAL	---	---	2.229		0.091	2.236		0.345	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.072		0.003	0.072		0.012	0	0	0	0	---	---	MEAN
MAX	---	---	0.585		0.041	0.542		0.240	0	0	0	0	---	---	MAX
MIN	---	---	0		0	0		0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.020
MAXIMUM DAILY, 0.585B ON MAR 25
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.33 AT 13:02 CST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 30 N
LONG 100 42 10 W
DRAINAGE AREA, 434 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	193	SEP	0
APR	7.85	OCT	0
MAY	193	NOV	---
JUN	29.8	DEC	---

TOTAL DISCHARGE, 424 dam³

MINK CREEK NEAR ETHELBERT - STATION NO OSLJO10

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR		APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	B	0.2628	0.1068	0.393	0.187	0	0	0.012	---	---	1
2	---	---	0	B	0.2648	0.1788	0.206	0.184	0	0	0.015	---	---	2
3	---	---	0	B	0.2688	0.365E	0.171	0.122	0	0	0.014	---	---	3
4	---	---	0	B	0.3768	0.505E	0.154	0.081	0	0	0.010	---	---	4
5	---	---	0	B	0.4628	0.425E	0.138	0.061	0	0	0.010	---	---	5
6	---	---	0	B	0.3028	0.365E	0.118	0.041	0	0	0.010	---	---	6
7	---	---	0	B	0.2768	0.315E	0.262	0.032	0	0	0.013	---	---	7
8	---	---	0	B	0.235	0.285E	0.409	0.024	0	0	0.015	---	---	8
9	---	---	0	B	0.225	0.283A	0.775	0.017	0	0	0.015	---	---	9
10	---	---	0	B	0.181	0.352	1.01	0.013	0	0	0.019	---	---	10
11	---	---	0	B	0.172	0.390	0.988	0.010	0	0	0.020	---	---	11
12	---	---	0	B	0.253	0.595	0.673	0.007	0	0	0.022	---	---	12
13	---	---	0	B	0.561	0.771	0.358	0.006	0	0.002	0.021	---	---	13
14	---	---	0	B	0.683	0.963	0.270	0.008	0	0.030	0.022	---	---	14
15	---	---	0	B	0.630	1.20	0.230	0.007	0	0.017	0.043	---	---	15
16	---	---	0	B	0.685	0.848	0.182	0.008	0	0.009	0.195	---	---	16
17	---	---	0	B	0.490	0.885	0.885	0.007	0	0.004	0.148	---	---	17
18	---	---	0	B	0.388	0.513	1.84	0.005	0	0.001	0.120	---	---	18
19	---	---	0	B	0.287	0.509	1.40	0.002	0	0.001	0.083	---	---	19
20	---	---	0	B	0.222	0.485	1.89	0	0	0.001	0.108	---	---	20
21	---	---	0	B	0.182	0.845	1.86	0	0	0.002	0.104A	---	---	21
22	---	---	0	B	0.185	0.779	1.87	0	0	0.088	0.275E	---	---	22
23	---	---	0	0508	0.147	0.782	3.42	0	0	0.105	0.858E	---	---	23
24	---	---	0	1428	0.144	1.23	7.27	0	0	0.081	0.895E	---	---	24
25	---	---	0	2788	0.149	1.75	5.56	0.008	0	0.050	0.425E	---	---	25
26	---	---	0	5958	0.137	2.15	3.38	0.004	0	0.026	0.385E	---	---	26
27	---	---	0	7758	0.1338	1.59	1.89	0	0	0.017	0.315E	---	---	27
28	---	---	0	7388	0.0828	1.08	0.935	0	0	0.016	0.325E	---	---	28
29	---	---	0	8238	0.0508	0.724	0.531	0	0	0.014	0.315E	---	---	29
30	---	---	0	7278	0.0818	0.488	0.295	0	0	0.013	0.240E	---	---	30
31	---	---	0	3568		0.408		0	0		0.184E	---	---	31
TOTAL	---	---	4.384		8.432	21.713	39.531	0.818	0	0.454	4.995	---	---	TOTAL
MEAN	---	---	0.141		0.281	0.700	1.32	0.026	0	0.015	0.161	---	---	MEAN
MAX	---	---	0.823		0.883	2.15	7.27	0.187	0	0.105	0.858	---	---	MAX
MIN	---	---	0		0.050	0.108	0.118	0	0	0	0.010	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.328
MAXIMUM DAILY, 7.27 ON JUN 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
7.86 AT 20:12 CST ON JUN 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 00 N
LONG 100 21 10 W
DRAINAGE AREA, 132 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	70.5
FEB	---	AUG	0
MAR	270	SEP	39.2
APR	729	OCT	432
MAY	1 880	NOV	---
JUN	3 420	DEC	---

TOTAL DISCHARGE, 6 950 dam³

MINNEWASTA CREEK NEAR BEULAH - STATION NO. 05ME005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0	0	0	---	---	---	---	---	---	1
2	---	---	0 B	0	0	0	---	---	---	---	---	---	2
3	---	---	0 B	0	0	0	---	---	---	---	---	---	3
4	---	---	0 B	0	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0	0	0	---	---	---	---	---	---	6
7	---	---	0 B	0	0	0	---	---	---	---	---	---	7
8	---	---	0 B	0	0	0	---	---	---	---	---	---	8
9	---	---	0 B	0	0	0	---	---	---	---	---	---	9
10	---	---	0 B	0	0	0	---	---	---	---	---	---	10
11	---	---	0 B	0	0	0	---	---	---	---	---	---	11
12	---	---	0 B	0	0	0	---	---	---	---	---	---	12
13	---	---	0 B	0	0	0	---	---	---	---	---	---	13
14	---	---	0 B	0	0	0	---	---	---	---	---	---	14
15	---	---	0 B	0	0	0	---	---	---	---	---	---	15
16	---	---	0 B	0	0	0	---	---	---	---	---	---	16
17	---	---	0 B	0	0	0	---	---	---	---	---	---	17
18	---	---	0 B	0	0	0	---	---	---	---	---	---	18
19	---	---	0 B	0	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0	0	0	---	---	---	---	---	---	20
21	---	---	0	0	0	0	---	---	---	---	---	---	21
22	---	---	0	0	0	0	---	---	---	---	---	---	22
23	---	---	0	0	0	0	---	---	---	---	---	---	23
24	---	---	0	0	0	0	---	---	---	---	---	---	24
25	---	---	0	0	0	0	---	---	---	---	---	---	25
26	---	---	0.001A	0	0	0	---	---	---	---	---	---	26
27	---	---	0	0	0	0	---	---	---	---	---	---	27
28	---	---	0	0	0	0	---	---	---	---	---	---	28
29	---	---	0	0	0	0	---	---	---	---	---	---	29
30	---		0	0	0	0	---	---	---	---	---	---	30
31	---		0		0		---	---		---		---	31
TOTAL	---	---	0.001	0	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.001	0	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.001A ON MAR 26
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 08 N
LONG 101 01 14 W
DRAINAGE AREA, 360 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0.09	SEP	---
APR	0	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0.09 dam³

MORDEN RESERVOIR NEAR MORDEN - STATION NO 05DC801

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	328.546	328.437E	328.377	329.130E	329.185	329.221	329.221E	328.925	328.638E	---	328.182E	328.092E	1
2	328.542E	328.427	328.377E	329.142	329.184	329.211E	329.221	328.925	328.618E	---	328.184	328.088E	2
3	328.538	328.425E	328.377	329.141	329.184	329.201E	329.191	328.915	328.612	328.382	328.181E	328.085	3
4	328.533E	328.422E	328.376E	329.139	329.203	329.191	329.181	---	328.602	328.372	328.177E	328.080E	4
5	328.526	328.420E	328.372	329.138	329.212E	329.191	329.171	---	328.592	328.372	328.173	328.075	5
6	328.526E	328.417	328.370E	329.136	329.222E	329.191	329.181	---	328.582E	328.372E	328.168E	328.070E	6
7	328.523E	328.412E	328.367	329.135E	329.232	329.201	329.155E	---	328.572	328.372E	328.163	328.065	7
8	328.521E	328.407	328.367E	329.134E	329.251	329.211	329.148E	---	328.566E	328.372	328.158E	328.062E	8
9	328.518	328.404E	328.347	329.132	329.251	329.211E	329.141	---	328.559E	328.382	328.152	328.058E	9
10	328.513E	328.401E	---	329.130	329.251	329.211E	329.131	---	328.552	328.362	328.145E	328.055	10
11	328.508	328.397	---	329.139	329.251	329.211	329.120	---	328.552	328.361E	328.138E	328.050E	11
12	328.505E	328.387E	---	329.158	329.264E	329.231	329.115	---	328.552	328.348E	328.131	328.045	12
13	328.502E	328.387	---	329.166	329.267E	329.231	329.105	328.885	328.552	328.347	328.133E	328.043E	13
14	328.498	328.382E	---	329.168E	329.271	329.231	329.092E	328.885	328.542	328.340E	328.135	328.040	14
15	328.493E	328.387	328.337	329.170E	---	329.221	329.079E	328.845	328.536E	328.332	328.185	328.038E	15
16	328.488	328.387E	328.332E	329.172	---	329.241	329.065	328.825	328.529E	328.298E	328.181E	328.037E	16
17	328.488E	328.387	328.327	329.170	---	329.241E	329.065	328.815	328.522	328.284E	328.177E	328.035	17
18	328.488	328.384E	328.322E	329.168	329.271	329.241	329.055	328.805E	328.512	328.230	328.173E	328.030E	18
19	328.488E	328.381E	328.317	329.167	329.271E	329.231	329.045	328.785E	---	328.240	328.169E	328.025	19
20	328.488	328.377	328.312E	329.163E	329.271E	329.231	329.025	328.765	---	328.243E	328.165	328.020E	20
21	328.482E	328.377E	328.307	329.158E	329.271	329.221	329.015E	328.775	---	328.248E	328.155	328.015	21
22	328.475E	328.377	328.312E	329.155E	329.271	329.251	329.005E	328.752	---	328.249	328.155E	328.009E	22
23	328.468	328.377E	328.317	329.151	329.272	329.248E	328.995	328.742	---	328.238	328.155	328.002E	23
24	328.463E	328.377E	328.537	329.140	329.271	329.238E	328.985	328.732	328.482	328.233E	328.130E	327.995	24
25	328.458	328.377	328.747	329.138	329.261	329.231	328.985	328.718E	328.482	328.227	328.105E	327.992E	25
26	328.455E	328.377E	328.827	329.137	329.258E	329.231	328.985	328.708E	328.442	328.217	328.080	327.989E	26
27	328.452E	328.377	329.011	329.147	329.255E	329.231	328.985	328.692	328.437E	328.215E	328.067E	327.985	27
28	328.448	328.377E	329.080	329.158E	329.251	329.231	328.955E	328.682	328.432	328.212E	328.055	327.985E	28
29	328.448E	---	329.095	329.172E	329.241	329.221	328.945E	328.672	---	328.208E	328.055E	327.985	29
30	328.448E		329.107	329.185	329.231E	329.221E	328.935	328.662	---	328.206	328.095	327.980E	30
31	328.447		329.118E		329.221		328.935	328.632		328.199E		327.975	31
MEAN	328.493	---	---	329.151	---	329.222	329.071	---	---	---	328.148	328.033	MEAN
MAX	328.546	---	---	329.185	---	329.251	329.221	---	---	---	328.182	328.092	MAX
MIN	328.447	---	---	329.130	---	329.191	328.935	---	---	---	328.080	327.975	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 10 55 N
LONG 98 06 04 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

MORRIS RIVER NEAR ROSENORT - STATION NO. 05OF020

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	2.82 B	0.146	0.411	0.007	0	0	0	---	---	1
2	---	---	0 B	3.08 B	0.210	0.401	0	0	0	0	---	---	2
3	---	---	0 B	2.88 B	0.227	0.418	0	0	0	0	---	---	3
4	---	---	0 B	2.42 B	0.280	0.433	0	0	0	0	---	---	4
5	---	---	0 B	1.82 B	0.249	0.458	0	0	0	0	---	---	5
6	---	---	0 B	1.34 B	0.224	0.527	0	0.081	0	0	---	---	6
7	---	---	0 B	1.09 B	0.230	0.585	0	0.058	0	0	---	---	7
8	---	---	0 B	0.8718	0.264	0.770	0	0.022	0	0	---	---	8
9	---	---	0 B	0.585	0.280	0.882	0.035	0.004	0	0	---	---	9
10	---	---	0 B	0.509	0.283	0.636	0.040	0.001	0	0	---	---	10
11	---	---	0 B	0.403	0.285	0.699	0.002	0.001	0	0	---	---	11
12	---	---	0 B	0.350	0.211	0.856	0	0.001	0	0	---	---	12
13	---	---	0 B	0.342	0.223	0.800	0	0.001	0	0	---	---	13
14	---	---	0 B	0.244	0.235	0.723	0	0.001	0	0	---	---	14
15	---	---	0 B	0.130	0.192	0.682	0	0.005	0	0	---	---	15
16	---	---	0 B	0.063	0.194	0.829	0	0.004	0	0	---	---	16
17	---	---	0 B	0.056	0.202	0.598	0	0.010	0	0.028	---	---	17
18	---	---	0 B	0.032	0.202	0.551	0	0.005	0	0.095	---	---	18
19	---	---	0 B	0.011	0.177	0.547	0	0.007	0	0.114	---	---	19
20	---	---	0 B	0.089	0.190	0.531	0	0.013	0	0.155	---	---	20
21	---	---	0 B	0.073	0.340	0.559	0	0.014	0	0.250	---	---	21
22	---	---	0 B	0.059	0.367	4.86 A	0	0.012	0	0.276	---	---	22
23	---	---	0 B	0.054	0.314	7.42 E	0	0.004	0	0.258	---	---	23
24	---	---	0 B	0.089	0.278	4.18 E	0	0.001	0	0.214	---	---	24
25	---	---	0 5008	0.088	0.350	1.82	0	0.001	0	0.183	---	---	25
26	---	---	1.00 B	0.080	0.375	0.530	0	0	0	0.165	---	---	26
27	---	---	1.44 B	0.092	0.332	0.295	0	0	0	0.142	---	---	27
28	---	---	1.80 B	0.092	0.344	0.170	0	0	0	0.142	---	---	28
29	---	---	1.89 B	0.186	0.420	0.088	0	0	0	0.1888	---	---	29
30	---		1.82 B	0.149	0.438	0.038	0	0	0	0.1318	---	---	30
31	---		2.47 B		0.438		0	0		0.1208		---	31
										0.1108			
TOTAL	---	---	10 820	19 849	8 457	31.919	0.084	0.224	0	2.381	---	---	TOTAL
MEAN	---	---	0.339	0.662	0 273	1.06	0.003	0.007	0	0.077	---	---	MEAN
MAX	---	---	2 47	3 08	0 438	7 42	0.040	0 081	0	0.276	---	---	MAX
MIN	---	---	0	0.011	0 144	0.038	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 300
MAXIMUM DAILY, 7 42E ON JUN 23
MINIMUM DAILY, OB ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 29 22 N
LONG 97 28 51 W
DRAINAGE AREA, 2 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 28
FEB	---	AUG	19 4
MAR	809	SEP	0
APR	1 710	OCT	205
MAY	731	NOV	---
JUN	2 760	DEC	---

TOTAL DISCHARGE, 8 340 dam³

MOSSY RIVER BELOW OUTLET OF DAUPHIN LAKE - STATION NO 05LJ025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10 5 B	8.318	1 86 B	0.237	0 324	16 7	14.7	0 124	0 037	0 073	3.918	9 858	1
2	10 5 B	8.338	1 87 B	0.226	0 542	11 1	13 4	0 135	0 033	0 057	3 988	9 858	2
3	10 1 B	8.018	1 85 B	0 196	0 534	12 8	11 9	0 129	0 047	0 074	3 988	9 478	3
4	10 1 B	7.498	1 58 B	0 171	0 492	14 3	11 5	0 108	0 048	0 771	3 918	9 148	4
5	9 918	10.2 B	1 82 B	0 186	1 09	13 3	11 0	0 123	0 084	2 28	3 848	9 088	5
6	9 828	8.688	1 87 B	0 136	0 271	13 9	14 2	0 107	0 081	1 35	4 898	9 858	6
7	9 598	8.268	1 53 B	0 121	0 174	14 1	15 9	0 077	0 073	1 37	10 3 B	9 188	7
8	9 518	8.218	1 55 B	0 100	0 330	12 1	13 0	0 083	0 043	1 86	10 2 B	9 078	8
9	9 558	8.058	1 87 B	0 088	1 89	13 2	9 25	0 067	0 042	1 76	10 0 B	8 898	9
10	9 648	8.008	1 51 B	0 088	1 78	14 0	5 85	0 091	0 043	2 04	10 1 B	8 838	10
11	9 865	7.905	1 84 B	0 082	5 56	14 1	5 48	0 096	0 056	1 86	9 978	8 128	11
12	9 738	7.905	1 48 B	0 146	15 8	12 2	5 80	0 087	0 084	2 57	9 908	8 618	12
13	9 388	7.858	1 40 B	0 208	15 1	13 3	5 87	0 082	0 068	1 86	9 848	8 398	13
14	9 668	7.905	1 38 B	0 132	15 8	13 8	3 57	0 041	0 081	1 50	9 588	8 318	14
15	10 2 B	8.009	1 55 B	0 108	16 8	14 2	4 23	0 034	0 057	0 786	9 698	7 738	15
16	9 358	8.048	1 85 B	0 088	16 0	13 1	4 11	0 077	0 082	9 26	10 1 B	7 488	16
17	9 378	1.868	1 87 B	0 088	13 8	12 7	4 34	0 052	3 89	10 0 B	8 108	17
18	9 288	1.888	1 81 B	0 078	11 4	12 5	5 13	0 055	0 047	4 08	9 908	8 388	18
19	9 248	1.888	1 80 B	0 070	16 1	14 0	5 14	0 045	0 040	1 84	10 0 B	8 298	19
20	9 448	1.848	1 81 B	0 078	16 8	16 6	7 23	0 038	0 050	0 811	10 1 B	8 588	20
21	9 308	1.878	1 56 B	0 080	12 5	15 2	5 87	0 031	0 088	1 29	9 928	7 988	21
22	9 2 8	1.798	1 17 B	0 089	12 7	13 6	4 06	0 031	0 C88	1 81	9 878	8 248	22
23	8 898	1 738	0 373	0 100	13 8	10 7	4 37	0 048	0 026	1 82	10 0 B	8 268	23
24	8 598	1 758	0 380	0 113	13 8	17 7	5 17	0 037	0 088	1 88	9 888	8 378	24
25	8 838	1 818	0 428	0 077	14 2	17 5	3 88	0 038	0 080	4 25 B	9 708	8 408	25
26	8 408	1 788	0 781	0 048	16 5	13 7	0 253	0 032	0 082	2 40 B	9 888	8 578	26
27	8 888	1 638	0 728	0 018	15 3	15 7	0 185	0 033	0 056	0 4628	9 828	8 548	27
28	8 878	1 858	0 388	0 088	15 8	16 3	0 177	0 027	0 083	1 57 B	9 878	8 358	28
29	8 418	1 748	0 280	0 259	15 3	17 8	0 185	0 008	0 087	1 88 B	9 888	8 748	29
30	8 518		0 285	0 270	15 3	16 3	0 141	0 003	0 078	2 21 B	9 788	8 728	30
31	8 538		0 280		16 0		0 128	0 014		3 14 B		8 878	31
TOTAL	281 37	153 32	38 051	3 782	310 897	423 2	195 579	1 884	1 721	82 004	284 83	285 08	TOTAL
MEAN	9 40	8 25	1 23	0 125	10 0	14 1	6 34	0 061	0 057	3 00	9 82	8 88	MEAN
MAX	10 5	10 2	1 87	0 270	16 8	17 7	15 9	0 135	0 084	9 26	10 3	9 85	MAX
MIN	8 40	1 83	0 280	0 018	0 174	10 7	0 128	0 003	0 026	0 057	3 84	7 48	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5 61
MAXIMUM DAILY, 16 8 ON MAY 15
MINIMUM DAILY, 0 003 ON AUG 30
MAXIMUM INSTANTANEOUS,
23 1 AT 23 58 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 27 00 N
LONG 99 58 00 W
DRAINAGE AREA, 8 700 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	35 200	JUL	17 000
FEB	13 200	AUG	183
MAR	3 280	SEP	149
APR	324	OCT	5 380
MAY	28 900	NOV	22 900
JUN	38 900	DEC	23 200

TOTAL DISCHARGE, 174 000 dam³

HOWBRAY CREEK NEAR HOWBRAY - STATION NO 0508021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 518	0 001	0	0	0	0	0	---	---	1
2	---	---	0 B	0 473	0 002	0	0	0	0	0	---	---	2
3	---	---	0 B	0 397	0 001	0	0	0	0	0	---	---	3
4	---	---	0 B	0 498	0 001	0	0	0	0	0	---	---	4
5	---	---	0 B	0 387	0 026	0	0	0	0	0	---	---	5
6	---	---	0 B	0 230	0 052	0	0	0	0	0	---	---	6
7	---	---	0 B	0 144	0 308	0	0	0	0	0	---	---	7
8	---	---	0 B	0 098	0 371	0	0	0	0	0	---	---	8
9	---	---	0 B	0 068	0 232	0 180	0	0	0	0	---	---	9
10	---	---	0 B	0 050	0 132	1 74	0	0	0	0	---	---	10
11	---	---	0 B	0 038	0 102	1 76	0	0	0	0	---	---	11
12	---	---	0 B	0 036	0 078	0 988	0	0	0	0	---	---	12
13	---	---	0 B	0 031	0 047	0 525	0	0	0	0	---	---	13
14	---	---	0 B	0 028	0 031	0 718	0 013	0	0	0	---	---	14
15	---	---	0 B	0 031	0 024	0 594	0 014	0	0	0	---	---	15
16	---	---	0 B	0 045	0 022	0 388	0 001	0	0	0	---	---	16
17	---	---	0 B	0 044	0 013	0 281	0	0	0	0	---	---	17
18	---	---	0 B	0 038	0 001	0 171	0	0	0	0	---	---	18
19	---	---	0 B	0 026	0	0 114	0	0	0	0	---	---	19
20	---	---	0 B	0 015	0	0 077	0	0	0	0	---	---	20
21	---	---	0 0018	0 005	0	0 054	0	0	0	0	---	---	21
22	---	---	0 0048	0 002	0	0 041	0	0	0	0	---	---	22
23	---	---	0 0108	0	0	0 028	0	0	0	0	---	---	23
24	---	---	0 0188	0	0	0 014	0	0	0	0	---	---	24
25	---	---	0 0238	0	0	0 009	0	0	0	0	---	---	25
26	---	---	0 2198	0	0	0 014	0	0	0	0	---	---	26
27	---	---	0 4608	0	0	0 003	0	0	0	0	---	---	27
28	---	---	0 888A	0	0	0 001	0	0	0	0	---	---	28
29	---	---	0 980	0	0	0	0	0	0	0	---	---	29
30	---		0 828	0	0	0	0	0	0	0	---	---	30
31	---		0 740		0		0	0		0		---	31
TOTAL	---	---	4 154	3 199	1 445	7 845	0 028	0	0	0	---	---	TOTAL
MEAN	---	---	0 134	0 107	0 047	0 255	0 001	0	0	0	---	---	MEAN
MAX	---	---	0 980	0 518	0 371	1 76	0 014	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 057
MAXIMUM DAILY, 1 76 ON JUN 11
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1 92 AT 20:58 CST ON JUN 10

SUMMARY FOR THE MONTHS MAR TO OCT

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 00 N
LONG 98 27 15 W
DRAINAGE AREA, 262 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	2 42
FEB	---	AUG	0
MAR	359	SEP	0
APR	276	OCT	0
MAY	125	NOV	---
JUN	681	DEC	---

TOTAL DISCHARGE, 1 430 dam³

NEEPAWA CREEK NEAR NEEPAWA - STATION NO 05LL009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 0018	0 4838	0 6458	0 032	0 085	0	0	0 004	---	---	1
2	---	---	0 0018	0 5508	0 4478	0 027	0 048	0	0	0 003	---	---	2
3	---	---	0 0018	0 4888	0 5108	0 023	0 030	0	0	0 003	---	---	3
4	---	---	0 0018	0 467	0 1988	0 022	0 011	0	0	0 005	---	---	4
5	---	---	0 0018	0 480	0 804	0 020	0 007	0	0	0 007	---	---	5
6	---	---	0 0018	0 424	0 388	0 029	0 004	0	0	0 008	---	---	6
7	---	---	0 0018	0 368	0 262	0 052	0 004	0	0	0 010	---	---	7
8	---	---	0 0018	0 240	0 211	0 057	0 007	0	0	0 014	---	---	8
9	---	---	0 B	0 215	0 181	0 042	0 008	0	0	0 013	---	---	9
10	---	---	0 B	0 198	0 150	0 038	0 004	0	0	0 013	---	---	10
11	---	---	0 B	0 348	0 133	0 032	0 001	0	0	0 032	---	---	11
12	---	---	0 B	0 806	0 130	0 028	0	0	0	0 047	---	---	12
13	---	---	0 B	0 718	0 122	0 025	0	0	0	0 047	---	---	13
14	---	---	0 B	0 726	0 121	0 024	0	0	0	0 036	---	---	14
15	---	---	0 B	0 634	0 110	0 023	0	0	0	0 042	---	---	15
16	---	---	0 B	0 501	0 094	0 024	0	0	0	0 095	---	---	16
17	---	---	0 B	0 316	0 087	0 052	0	0	0	0 124	---	---	17
18	---	---	0 B	0 210	0 087	0 042	0	0	0	0 077	---	---	18
19	---	---	0 B	0 185	0 083	0 025	0	0	0	0 078	---	---	19
20	---	---	0 B	0 143	0 094	0 015	0	0	0	0 141	---	---	20
21	---	---	0 0018	0 135	0 098	0 020	0	0	0	0 135	---	---	21
22	---	---	0 0038	0 115	0 088	0 029	0	0	0	0 093	---	---	22
23	---	---	0 1398	0 109	0 078	0 270	0	0	0	0 077	---	---	23
24	---	---	0 5888	0 107	0 091	0 136	0	0	0 004	0 059	---	---	24
25	---	---	0 6458	0 093	0 080	0 134	0	0	0 005	0 148	---	---	25
26	---	---	0 6858	0 110	0 089	0 328	0	0	0 004	0 126	---	---	26
27	---	---	0 6828	0 0678	0 080	0 375	0	0	0 002	0 122	---	---	27
28	---	---	1 13 B	0 1488	0 088	0 262	0	0	0	0 0838	---	---	28
29	---	---	0 8818	0 1678	0 083	0 162	0	0	0 001	0 0808	---	---	29
30	---		0 8078	0 4828	0 052	0 087	0	0	0 003	0 0328	---	---	30
31	---		0 8188		0 041		0	0		0 0118		---	31
TOTAL	---	---	8 285	8 713	5 452	2 450	0 187	0	0 019	1 783	---	---	TOTAL
MEAN	---	---	0 203	0 324	0 176	0 082	0 006	0	0 001	0 058	---	---	MEAN
MAX	---	---	1 13	0 726	0 845	0 375	0 085	0	0 005	0 148	---	---	MAX
MIN	---	---	0	0 087	0 041	0 015	0	0	0	0 003	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 108
MAXIMUM DAILY, 1 130 ON MAR 28
MINIMUM DAILY, 0B ON MAR 9
MAXIMUM INSTANTANEOUS,
2 75 AT 17:42 CST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 56 N
LONG 99 34 00 W
DRAINAGE AREA, 185 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	16 2
FEB	---	AUG	0
MAR	543	SEP	1 84
APR	539	OCT	154
MAY	471	NOV	---
JUN	212	DEC	---

TOTAL DISCHARGE, 2 240 dam³

WEEPAWA RESERVOIR NEAR WEEPAWA - STATION NO. 05LL010

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	358.788	358.827	358.818	358.884	359.085	359.041	359.023	358.873	358.318	358.287	358.848	358.834	1
2	358.788	358.834	358.820	358.888	359.087	359.037	359.025	358.882	358.302	358.288	358.845	358.835	2
3	358.785	358.830	358.828	358.917	359.088	359.034	359.017	358.849	358.292	358.324	358.845	358.832	3
4	358.781	358.828A	358.827	358.930	359.093	359.035	359.002	358.838	358.277	358.344	358.844	358.835	4
5	358.788	358.817E	358.844	358.947	358.104	359.038	358.987	358.825	358.288	358.347	358.845	358.835	5
6	358.758	358.810E	358.847	359.087	359.118	359.035	358.978	358.823	358.285	358.350	358.844	358.838	6
7	358.758	358.802E	358.850	359.078	359.117	359.035	358.968	358.824	358.251	358.347	358.843	358.837	7
8	358.758	358.798E	358.852	359.068	359.117	359.035	358.959	358.824	358.280	358.352	358.847	358.838	8
9	358.758	358.793E	358.858	359.091	359.117	359.036	358.951	358.824	358.284	358.352	358.853	358.854	9
10	358.784	358.788E	358.881	359.083	359.118	359.038	358.942	358.818	358.289	358.352	358.858	358.857	10
11	358.784	358.788E	358.885	359.088	359.113	359.041	358.934	358.809	358.282	358.363	358.859	358.885	11
12	358.781	358.784E	358.887	359.104	359.110	359.041	358.923	358.886	358.284	358.387	358.880	358.858	12
13	358.748	358.782A	358.870	359.113	359.108	359.044	358.912	358.886	358.285	358.378	358.883	358.886	13
14	358.744	358.883	358.873	359.120	359.108	359.048	358.888	358.878	358.282	358.387	358.887	358.888	14
15	358.738	358.885	358.878	359.123	359.105	359.048	358.877	358.886	358.287	358.382	358.878	358.887	15
16	358.735	358.887	358.878	359.124	359.098	359.080	358.869	358.852	358.288	358.458	358.878	358.887	16
17	358.731	358.886	358.880	359.125	359.079	359.063	358.858	358.838	358.288	358.471	358.878	358.887	17
18	358.725	358.890	358.882	359.124	359.088	359.064	358.845	358.828	358.280	358.485	358.874	358.887A	18
19	358.718	358.892	358.883	359.121	359.084	359.064	358.833	358.812	358.287	358.525	358.873	358.885E	19
20	358.713	358.893	358.885	359.120	359.083	359.064	358.821	358.897	358.289	358.589	358.874	358.884E	20
21	358.708	358.894	358.887	359.118	359.083	359.064	358.805	358.488	358.278	358.841	358.874	358.882E	21
22	358.886	358.894	358.886	359.118	359.082	359.066	358.782	358.478	358.281	358.887	358.874	358.881E	22
23	358.880	358.896	358.883	359.116	359.080	359.068	358.778	358.484	358.284	358.728	358.875	358.858E	23
24	358.883	358.800	358.709	359.113	359.080	359.068	358.764	358.482	358.291	358.783	358.877	358.857E	24
25	358.877	358.802	358.788	359.110	359.068	359.068	358.753	358.448	358.287	358.788	358.884	358.858E	25
26	358.870	358.804	358.810	359.087	359.057	359.057	358.743	358.423	358.301	358.788	358.889	358.854E	26
27	358.864	358.806	358.853	359.078	359.058	359.058	358.731	358.403	358.300	358.818	358.922	358.851A	27
28	358.859	358.808	358.874	359.078	359.058	359.058	358.718	358.378	358.298	358.828	358.928	358.850E	28
29	358.853	358.812	358.918	359.084	359.064	359.058	358.705	358.352	358.299	358.837	358.928	358.848E	29
30	358.847		358.885	359.088	359.058	359.042	358.889	358.332	358.298	358.843	358.933	358.848E	30
31	358.842		358.877		359.051		358.882	358.326		358.843		358.848E	31
MEAN	358.721	358.801	358.713	359.088	359.083	359.048	358.884	358.831	358.282	358.527	358.872	358.853	MEAN
MAX	358.788	358.837	358.877	359.125	359.117	359.087	359.033	358.873	358.318	358.843	358.933	358.887	MAX
MIN	358.842	358.782	358.818	358.884	359.051	359.034	358.882	358.326	358.291	358.298	358.843	358.833	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 358.774
MAXIMUM DAILY, 359.125 ON APR 17
MINIMUM DAILY, 358.281 ON SEP 7
MAXIMUM INSTANTANEOUS,
359.125 AT 11:03 CST ON APR 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 12 48 N
LONG 99 26 38 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1980

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NELSON RIVER (EAST CHANNEL) BELOW SEA RIVER FALLS - STATION NO. 05UB008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2078	2018	1868	1908	314	481	538	488	338	387	234	1528	1
2	2078	2018	1868	1918	348	486	539	480	387	335	2268	1518	2
3	2078	2018	1858	1928	383	471	501	488	388	308	2218	1508	3
4	2068	2018	1858	1938	370	452	458	494	385	302	2148	1508	4
5	2068	2018	1858	1958	372	431	428	482	402	350	2108	1508	5
6	2068	2018	1858	1988	374	403	451	480	447	347	2088	1498	6
7	2068	2008	1858	2148	355	384	480	478	487	310	2028	1498	7
8	2068	2008	1848	285	354	388	529	474	333	328	1958	1498	8
9	2058	2008	1848	280	371	378	524	413	303	335	1948	1488	9
10	2058	2008	1848	283	388	422	503	438	338	388	1908	1488	10
11	2058	1988	1848	289	355	448	494	510	358	358	1888	1488	11
12	2058	1988	1848	285	383	412	487	517	374	377	1848	1478	12
13	2058	1988	1848	280	400	425	473	487	348	381	1818	1478	13
14	2048	1988	1838	281	388	447	474	488	347	378	1788	1478	14
15	2048	1988	1838	288	408	477	438	418	388	312	1768	1488	15
16	2048	1988	1838	308	433	471	483	442	388	308	1738	1488	16
17	2048	1988	1838	318	483	428	458	458	408	385	1708	1488	17
18	2048	1988	1838	328	438	428	488	458	388	381	1898	1488	18
19	2048	1988	1828	331	388	445	488	488	358	288	1878	1488	19
20	2048	1988	1838	338	381	488	478	518	332	225	1858	1488	20
21	2048	1878	1828	348	488	487	508	433	295	281	1848	1458	21
22	2048	1878	1828	352	407	478	497	398	171	281	1828	1458	22
23	2038	1878	1828	358	378	438	458	448	228	288	1818	1458	23
24	2038	1878	1818	388	337	423	481	494	284	284	1598	1458	24
25	2038	1878	1818	324	393	488	494	478	298	278	1878	1448	25
28	2038	1878	1818	311	402	488	488	484	305	338	1588	1448	28
27	2028	1878	1818	282	417	457	485	458	307	285	1588	1448	27
28	2028	1868	1818	234	438	478	504	471	308	228	1548	1438	28
29	2028	1868	1818	248	448	507	512	487	331	282	1528	1438	29
30	2028		1808	288	487	548	503	418	328	247	1528	1438	30
31	2018		1808		442		484	318		288		1438	31
TOTAL	8 333	5 783	5 982	8 388	12 187	13 604	14 887	14 333	10 249	8 700	5 418	4 845	TOTAL
MEAN	284	188	183	280	393	447	482	482	342	313	181	147	MEAN
MAX	287	201	188	388	487	548	538	518	487	381	234	182	MAX
MIN	201	188	180	180	314	388	428	318	171	220	182	143	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 304
MAXIMUM DAILY, 548 ON JUN 30
MINIMUM DAILY, 1438 ON DEC 24
MAXIMUM INSTANTANEOUS,
587 AT 17:40 CST ON JUN 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 14 36 N
LONG 97 35 27 W

B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	847 000	JUL	1 289 000
FEB	498 000	AUG	1 240 000
MAR	517 000	SEP	888 000
APR	728 000	OCT	838 000
MAY	1 050 000	NOV	488 000
JUN	1 180 000	DEC	393 000

TOTAL DISCHARGE, 9 810 000 dam³

NELSON RIVER (WEST CHANNEL) AT JENPEG - STATION NO. 05UD003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 800	1 820	1 800	1 570	1 080	894	989	1 270	1 250	1 540	1 810	1 840	1
2	1 830	1 820	1 800	1 570	1 080	883	894	1 280	1 240	1 820	1 890	1 840	2
3	1 840	1 820	1 820	1 580	1 070	893	999	1 200	1 240	1 820	1 710	1 880	3
4	1 830	1 820	1 810	1 570	1 070	891	1 000	1 180	1 250	1 820	1 750	1 880	4
5	1 820	1 820	1 810	1 540	1 070	928	995	1 180	1 290	1 810	1 770	1 830	5
6	1 810	1 810	1 810	1 550	1 080	978	983	1 180	1 310	1 810	1 750	1 820	6
7	1 810	1 800	1 810	1 550	1 070	977	982	1 140	1 320	1 820	1 750	1 820	7
8	1 810	1 800	1 810	1 590	1 080	978	981	1 100	1 310	1 810	1 780	1 830	8
9	1 780	1 810	1 800	1 540	1 020	980	1 080	1 070	1 320	1 810	1 800	1 850	9
10	1 770	1 810	1 800	1 470	1 040	971	1 140	1 090	1 320	1 810	1 900	1 880	10
11	1 770	1 820	1 800	1 470	1 030	980	1 130	1 110	1 310	1 820	2 040	1 890	11
12	1 780	1 820	1 800	1 470	1 030	980	1 130	1 110	1 380	1 820	2 080	1 890	12
13	1 780	1 820	1 800	1 480	1 030	1 000	1 130	1 110	1 380	1 820	2 080	1 810	13
14	1 770	1 820	1 800	1 430	1 040	1 020	1 140	1 110	1 390	1 820	2 070	1 810	14
15	1 780	1 820	1 800	1 470	1 040	1 020	1 120	1 110	1 390	1 870	2 080	1 910	15
16	1 780	1 830	1 800	1 290	978	1 020	1 130	1 110	1 380	1 480	1 850	1 900	16
17	1 750	1 820	1 800	1 220	904	1 020	1 120	1 080	1 380	1 840	1 840	1 900	17
18	1 730	1 830	1 590	1 220	911	1 020	1 130	1 080	1 380	1 830	1 840	1 820	18
19	1 730	1 830	1 810	1 220	910	888	1 130	1 110	1 370	1 830	1 890	1 910	19
20	1 720	1 820	1 800	1 220	904	1 020	1 180	1 100	1 380	1 830	1 900	1 820	20
21	1 720	1 820	1 590	1 220	905	1 010	1 180	1 110	1 380	1 830	1 820	1 930	21
22	1 720	1 820	1 590	1 220	907	1 010	1 210	1 120	1 380	1 870	1 950	1 920	22
23	1 720	1 820	1 590	1 120	899	1 020	1 230	1 120	1 380	1 730	1 880	1 910	23
24	1 720	1 820	1 590	1 070	891	1 010	1 250	1 110	1 380	1 730	1 880	1 890	24
25	1 700	1 820	1 590	1 050	893	1 010	1 280	1 110	1 380	1 740	1 880	1 890	25
26	1 700	1 820	1 590	1 040	890	1 010	1 280	1 110	1 390	1 700	1 850	1 890	26
27	1 690	1 810	1 590	1 030	883	995	1 280	1 210	1 410	1 730	1 840	1 890	27
28	1 670	1 810	1 590	1 020	892	988	1 270	1 250	1 420	1 750	1 910	1 870	28
29	1 680	1 810	1 590	1 030	890	990	1 270	1 250	1 410	1 890	1 870	1 860	29
30	1 650		1 580	1 040	892	992	1 270	1 250	1 420	1 950	1 850	1 850	30
31	1 630		1 580		894		1 270	1 250		1 730		1 830	31
TOTAL	54 210	48 910	49 540	38 920	30 187	29 482	35 223	35 580	40 420	50 880	58 510	58 210	TOTAL
MEAN	1 750	1 820	1 800	1 330	974	983	1 140	1 150	1 350	1 640	1 880	1 880	MEAN
MAX	1 840	1 830	1 820	1 590	1 070	1 020	1 270	1 270	1 420	1 950	2 080	1 930	MAX
MIN	1 630	1 800	1 580	1 020	890	891	989	1 070	1 240	1 480	1 610	1 820	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 440
MAXIMUM DAILY, 2 080 ON NOV 13
MINIMUM DAILY, 890 ON MAY 28

DATA CONTRIBUTED BY -
MANITOBA HYDRO

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 54 29 53 N
LONG 98 02 53 W

REGULATED SINCE 1975

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	4 880 000	JUL	3 040 000
FEB	4 050 000	AUG	3 070 000
MAR	4 280 000	SEP	3 490 000
APR	3 450 000	OCT	4 400 000
MAY	2 610 000	NOV	4 880 000
JUN	2 550 000	DEC	5 030 000

TOTAL DISCHARGE, 45 500 000 dam³

NELSON RIVER ABOVE BLADDER RAPIDS - STATION NO. 05UD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 430B	2 280B	2 040B	1 940B	1 710	1 540	1 630	1 910	1 780	1 880	2 210B	2 330B	1
2	2 430B	2 250B	2 030B	1 940B	1 700	1 520	1 800	1 890	1 780	1 900	2 210B	2 320B	2
3	2 420B	2 240B	2 030B	1 940B	1 700	1 520	1 590	1 880	1 780	1 850	2 210B	2 310B	3
4	2 420B	2 230B	2 030B	1 950B	1 710	1 550	1 580	1 880	1 780	1 990	2 210B	2 300B	4
5	2 410B	2 210B	2 030B	1 960B	1 710	1 570	1 580	1 890	1 770	1 990	2 210B	2 290B	5
6	2 410B	2 200B	2 020B	2 020B	1 710	1 590	1 600	1 880	1 780	2 000	2 210B	2 290B	6
7	2 400B	2 180B	2 020B	2 080B	1 710	1 590	1 610	1 880	1 830	2 040	2 210B	2 280B	7
8	2 400B	2 170B	2 020B	2 140B	1 710	1 580	1 610	1 880	1 930	2 040	2 210B	2 270B	8
9	2 390B	2 160B	2 020B	2 180B	1 710	1 590	1 640	1 840	1 900	2 040	2 210B	2 270B	9
10	2 380B	2 150B	2 010B	2 210	1 720	1 520	1 680	1 800	1 840	2 050	2 210B	2 270B	10
11	2 380B	2 140B	2 010B	2 210	1 720	1 490	1 720	1 770	1 810	2 090	2 210B	2 260B	11
12	2 370B	2 130B	2 010B	2 210	1 690	1 550	1 730	1 780	1 820	2 110	2 220B	2 260B	12
13	2 370B	2 120B	2 010B	2 210	1 680	1 580	1 760	1 800	1 830	2 100	2 220B	2 260B	13
14	2 360B	2 110B	2 000B	2 210	1 690	1 590	1 840	1 780	1 830	2 120	2 230B	2 260B	14
15	2 360B	2 100B	2 000B	2 200	1 680	1 550	1 830	1 780	1 820	2 140	2 240B	2 250B	15
16	2 360B	2 090B	2 000B	2 180	1 680	1 570	1 780	1 750	1 830	2 180	2 250B	2 260B	16
17	2 350B	2 080B	1 990B	2 120	1 660	1 550	1 780	1 730	1 840	2 180	2 270B	2 260B	17
18	2 350B	2 080B	1 990B	2 080	1 650	1 550	1 760	1 730	1 850	2 130	2 280B	2 260B	18
19	2 340B	2 080B	1 980B	2 080	1 680	1 530	1 770	1 730	1 870	2 140	2 310B	2 260B	19
20	2 340B	2 070B	1 980B	2 040	1 650	1 540	1 780	1 710	1 890	2 130	2 320B	2 270B	20
21	2 330B	2 070B	1 980B	2 010	1 610	1 530	1 810	1 720	1 900	2 080	2 330B	2 280B	21
22	2 330B	2 060B	1 970B	1 970	1 590	1 530	1 810	1 740	2 000	2 080	2 340B	2 280B	22
23	2 320B	2 060B	1 970B	1 950	1 580	1 530	1 820	1 700	1 980	2 080	2 350B	2 290B	23
24	2 320B	2 050B	1 960B	1 920	1 590	1 530	1 840	1 700	1 820	2 140	2 350B	2 300B	24
25	2 310B	2 050B	1 950B	1 920	1 580	1 540	1 880	1 710	1 800	2 150	2 380B	2 310B	25
26	2 310B	2 050B	1 950B	1 890	1 640	1 540	1 870	1 730	1 800	2 170	2 380B	2 310B	26
27	2 300B	2 040B	1 950B	1 850	1 630	1 570	1 870	1 730	1 810	2 170	2 380B	2 320B	27
28	2 300B	2 040B	1 950B	1 840	1 610	1 550	1 870	1 780	1 820	2 200	2 380B	2 320B	28
29	2 290B	2 040B	1 950B	1 790	1 610	1 550	1 880	1 710	1 830	2 210	2 380B	2 320B	29
30	2 280B		1 950B	1 720	1 620	1 540	1 900	1 710	1 850	2 210B	2 340B	2 310B	30
31	2 270B		1 950B		1 580		1 910	1 770		2 210B		2 310B	31
TOTAL	73 030	61 530	61 790	60 710	50 870	48 020	54 320	55 280	55 180	64 880	68 140	70 890	TOTAL
MEAN	2 360	2 120	1 990	2 020	1 640	1 600	1 750	1 780	1 840	2 090	2 270	2 290	MEAN
MAX	2 430	2 280	2 040	2 210	1 720	1 590	1 910	1 910	2 000	2 210	2 380	2 330	MAX
MIN	2 270	2 040	1 950	1 720	1 610	1 490	1 580	1 700	1 770	1 880	2 210	2 280	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 980
MAXIMUM DAILY, 2 430B ON JAN 1
MINIMUM DAILY, 1 490 ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 46 30 N
LONG 97 55 50 W
DRAINAGE AREA, 1 000 000 km²

B - ICE CONDITIONS

REGULATED SINCE 1973

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	6 310 000	JUL	4 880 000
FEB	5 320 000	AUG	4 770 000
MAR	5 340 000	SEP	4 770 000
APR	5 250 000	OCT	5 610 000
MAY	4 400 000	NOV	5 890 000
JUN	4 150 000	DEC	6 120 000

TOTAL DISCHARGE, 62 800 000 dam³

NELSON RIVER AT KELSEY GENERATING STATION - STATION NO. 05UE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2 270	2 080	2 230	2 060	1 900	1 830	1 490	1 490	1 830	1 810	1 990	2 110	1
2	2 250	2 080	2 230	2 060	1 900	1 830	1 470	1 370	1 830	1 830	1 990	2 110	2
3	2 240	2 080	2 230	2 010	1 810	1 830	1 500	1 540	1 830	1 810	2 010	2 120	3
4	2 240	2 080	2 230	2 000	1 900	1 470	1 900	1 810	1 830	1 830	1 990	2 110	4
5	2 240	2 080	2 230	1 990	1 810	1 830	1 810	1 880	1 830	1 840	1 990	2 110	5
6	2 240	2 080	2 220	1 980	1 900	1 900	1 820	1 810	1 880	1 870	1 990	2 110	6
7	2 240	2 080	2 220	1 980	1 430	1 850	1 820	1 810	1 830	1 870	1 990	2 080	7
8	2 230	2 080	2 230	1 980	1 370	1 830	1 810	1 900	1 830	1 870	1 990	2 080	8
9	2 240	2 080	2 220	1 980	1 370	1 900	1 810	1 800	1 830	1 870	1 990	2 080	9
10	2 230	2 080	2 220	1 980	1 390	1 980	1 810	1 580	1 830	1 840	1 990	2 120	10
11	2 230	2 080	2 220	1 980	1 810	1 850	1 540	1 820	1 840	1 870	1 990	2 110	11
12	2 230	2 080	2 220	1 980	1 810	1 850	1 870	1 820	1 830	1 870	1 990	2 120	12
13	2 230	2 080	2 210	1 940	1 580	1 840	1 900	1 480	1 840	1 870	1 990	2 080	13
14	2 230	2 080	2 210	1 930	1 480	1 830	1 880	1 420	1 880	1 870	1 990	2 070	14
15	2 230	2 080	2 210	1 930	1 430	1 810	1 900	1 470	1 710	1 870	1 990	2 070	15
16	2 230	2 080	2 210	1 930	1 480	1 810	1 440	1 440	1 730	1 870	1 990	2 080	16
17	2 230	2 080	2 200	1 930	1 480	1 810	1 380	1 480	1 730	1 870	1 990	2 070	17
18	2 230	2 080	2 200	1 930	1 540	1 810	1 380	1 410	1 740	1 870	1 990	2 080	18
19	2 230	2 080	2 200	1 900	1 540	1 810	1 380	1 480	1 700	1 870	1 990	2 080	19
20	2 200	2 050	2 190	1 910	1 840	1 830	1 870	1 800	1 700	1 870	1 990	2 070	20
21	2 170	2 080	2 180	1 810	1 550	1 840	1 830	1 810	1 710	1 870	1 990	2 080	21
22	2 170	2 080	2 180	1 720	1 500	1 810	1 830	1 890	1 890	1 890	1 990	2 080	22
23	2 130	2 080	2 180	1 770	1 810	1 830	1 830	1 830	1 850	1 930	1 990	2 070	23
24	2 080	2 120	2 180	1 870	1 800	1 380	1 880	1 820	1 730	1 930	1 990	2 070	24
25	2 030	2 150	2 110	1 800	1 890	1 830	1 830	1 820	1 790	1 930	2 010	2 080	25
26	2 030	2 150	2 080	1 800	1 800	1 820	1 840	1 830	1 800	1 920	2 030	2 040	26
27	2 070	2 150	2 100	1 800	1 810	1 830	1 730	1 820	1 810	1 930	2 040	2 020	27
28	2 080	2 200	2 100	1 800	1 880	1 810	1 810	1 880	1 810	1 920	2 060	2 040	28
29	2 080	2 240	2 060	1 810	1 880	1 810	1 800	1 770	1 810	1 960	2 100	2 080	29
30	2 080		2 070	1 810	1 830	1 840	1 840	1 830	1 810	1 980	2 110	2 080	30
31	2 080		2 060		1 830		1 370	1 820		2 000		2 080	31
TOTAL	67 810	60 310	67 560	55 830	48 270	49 350	48 640	48 200	50 840	58 280	59 800	64 500	TOTAL
MEAN	2 180	2 080	2 180	1 880	1 880	1 810	1 870	1 850	1 880	1 880	1 990	2 080	MEAN
MAX	2 270	2 240	2 230	2 060	1 900	1 880	1 810	1 830	1 810	2 000	2 110	2 120	MAX
MIN	2 020	2 050	2 060	1 800	1 370	1 470	1 370	1 370	1 580	1 810	1 850	2 020	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1 850
MAXIMUM DAILY, 2 270 ON JAN 1
MINIMUM DAILY, 1 370 ON MAY 6

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 56 02 30 N
LONG 98 31 30 W
DRAINAGE AREA, 1 010 000 km²

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	5 840 000	JUL	4 200 000
FEB	5 210 000	AUG	4 160 000
MAR	5 840 000	SEP	4 360 000
APR	4 830 000	OCT	5 040 000
MAY	4 170 000	NOV	5 170 000
JUN	4 180 000	DEC	5 570 000

TOTAL DISCHARGE, 59 800 000 dam³

NELSON RIVER AT NORWAY HOUSE - STATION NO 05UD001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	218.940	218.941	218.898	218.971	217.085	217.429	217.808	217.448	217.147	217.213	218.889	---	1
2	218.943	218.931	218.904	218.972	217.185	217.485	217.808	217.473	217.214	217.138	218.778	---	2
3	218.947	218.935	218.914	218.978	217.204	217.453	217.821	217.487	217.257	217.078	218.802	---	3
4	218.940	218.928	218.914	218.977	217.231	217.408	217.804	217.505	217.252	217.082	218.884	---	4
5	218.904	218.915	218.898	218.980	217.234	217.382	217.384	217.478	217.293	217.173	218.859	---	5
6	218.929	218.925	218.885	218.983	217.230	217.388	217.407	217.473	217.386	217.188	218.835	---	6
7	218.924	218.928	218.897	218.983	217.184	217.353	217.473	217.484	217.443	217.078	218.904	---	7
8	218.921	218.933	218.902	217.020	217.184	217.311	217.547	217.488	217.134	217.122	218.918	---	8
9	218.928	218.938	218.917	217.032	217.223	217.333	217.574	217.330	217.082	217.207	218.887	---	9
10	218.924	218.932	218.931	217.040	217.216	217.360	217.524	217.371	217.141	217.215	218.903	---	10
11	218.924	218.934	218.924	217.053	217.188	217.403	217.508	217.543	217.185	217.182	218.878	---	11
12	218.922	218.932	218.938	217.044	217.248	217.316	217.488	217.558	217.228	217.238	218.852	---	12
13	218.920	218.927	218.930	217.032	217.288	217.347	217.488	217.488	217.173	217.288	218.933	---	13
14	218.919	218.926	218.918	217.034	217.287	217.387	217.480	217.495	217.168	217.231	218.878	---	14
15	218.942	218.927	218.908	217.047	217.310	217.488	217.371	217.332	217.217	217.085	218.821	---	15
16	218.941	218.929	218.921	217.078	217.385	217.482	217.411	217.388	217.284	217.078	218.788A	---	16
17	218.938	218.925	218.934	217.089	217.411	217.348	217.404	217.418	217.307	217.207	---	---	17
18	218.938	218.925	218.938	217.121	217.376	217.383	217.488	217.423	217.288	217.245	---	218.880A	18
19	218.934	218.929	218.938	217.128	217.211	217.393	217.445	217.484	217.211	218.881	---	218.880	19
20	218.934	218.932	218.940	217.123	217.248	217.418	217.483	217.584	217.132	218.878	---	218.849	20
21	218.948	218.928	218.938	217.181	217.415	217.448	217.521	217.388	217.048	218.854	---	218.849	21
22	218.942	218.921	218.939	217.178	217.305	217.483	217.512	217.287	216.734	217.011	---	218.847	22
23	218.938	218.910	218.938	217.188	217.238	217.370	217.418	217.400	216.885	217.028	---	218.853	23
24	218.854	218.908	218.947	217.188	217.184	217.343	217.421	217.507	216.871	216.871	---	218.858	24
25	218.848	218.907	218.943	217.193	217.273	217.438	217.438	217.481	217.081	217.005	---	218.858	25
26	218.838	218.912	218.941	217.082	217.283	217.438	217.448	217.435	217.058	217.148	---	218.848	26
27	218.834	218.918	218.947	218.842	217.328	217.421	217.485	217.423	217.073	216.873	---	218.837	27
28	218.837	218.900	218.958	218.888	217.373	217.470	217.529	217.484	217.085	216.885	---	218.832	28
29	218.938	218.888	218.948	218.834	217.402	217.538	217.847	217.485	217.108	216.887	---	218.829	29
30	218.937		218.958	217.023	217.448	217.824	217.528	217.327	217.118	216.830	---	218.838	30
31	218.942		218.951		217.388		217.438	217.082		216.849		218.842	31
MEAN	218.938	218.924	218.927	217.947	217.273	217.387	217.678	217.423	217.182	217.088	---	---	MEAN
MAX	218.954	218.941	218.961	218.978	217.448	217.824	217.808	217.584	217.443	217.288	---	---	MAX
MIN	218.818	218.888	218.888	218.888	217.088	217.211	217.384	217.082	216.734	216.885	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 217.824 ON JUN 30

MAXIMUM INSTANTANEOUS,
217.872 AT 17:40 CST ON JUN 30

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 00 00 N
LONG 97 48 00 W

A - MANUAL GAUGE

REGULATED SINCE 1973

NELSON RIVER AT WARREN LANDING - STATION NO. 05UB003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	217.351	217.326	217.291	217.307	217.371	217.534	217.673	217.818	217.681	217.477	217.077	217.248	1
2	217.343	217.331	217.306	217.305	217.393	217.544	217.670	217.821	217.680	217.397	217.226	217.262	2
3	217.341	217.327	217.286	217.305	217.378	217.496	217.592	217.844	217.680	217.387	217.284	217.258	3
4	217.344	217.312	217.299	217.303	217.378	217.477	217.530	217.840	217.648	217.285	217.178	217.269	4
5	217.336	217.319	217.276	217.299	217.372	217.463	217.533	217.820	217.617	217.439	217.180	217.248	5
6	217.322	217.335	217.281	217.307	217.353	217.446	217.584	217.908	217.680	217.288	217.288	217.260	6
7	217.322	217.324	217.281	217.310	217.313	217.511	217.720	217.836	217.649	217.267	217.270	217.269	7
8	217.319	217.328	217.294	217.327	217.343	217.382	217.708	217.986	217.284	217.324	217.230	217.270	8
9	217.318	217.323	217.313	217.319	217.380A	217.426	217.644	217.693	217.314	217.378	217.190	217.254	9
10	217.318	217.320	217.281	217.314	217.376E	217.531	217.631	217.888	217.384	217.381	217.340	217.281	10
11	217.320	217.328	217.308	217.330	217.388E	217.531	217.618	217.781	217.408	217.348	217.335	217.230	11
12	217.326	217.318	217.304	217.318	217.402A	217.490	217.610	217.686	217.414	217.426	217.289	217.231	12
13	217.311	217.315	217.287	217.318	217.394	217.481	217.623	217.584	217.316	217.472	217.292	217.233	13
14	217.321	217.320	217.278	217.324	217.387	217.536	217.584	217.683	217.372	217.430	217.186	217.248	14
15	217.383	217.328	217.288	217.330	217.438	217.583	217.642	217.602	217.413	217.282	217.088	217.249	15
16	217.323	217.321	217.288	217.327	217.478	217.518	217.585	217.667	217.480	217.686	217.180	217.211	16
17	217.327	217.308	217.304	217.351	217.507	217.487	217.622	217.592	217.458	217.478	217.248	217.223	17
18	217.336	217.318	217.308	217.350	217.395	217.472	217.686	217.636	217.270	217.423	217.366	217.251	18
19	217.329	217.327	217.308	217.350	217.382	217.582	217.607	217.681	217.328	217.180	217.273	217.247	19
20	217.342	217.311	217.306	217.333	217.417	217.536	217.647	217.687	217.331	217.183	217.338	217.220	20
21	217.342	217.328	217.308	217.348	217.500	217.557	217.703	217.424	217.280	217.286	217.285	217.231	21
22	217.336	217.303	217.295	217.354	217.388	217.553	217.628	217.628	217.178	217.301	217.265	217.247	22
23	217.342	217.287	217.307	217.370	217.344	217.477	217.556	217.667	217.286	217.283	217.281	217.237	23
24	217.385	217.312	217.286	217.339	217.381	217.571	217.644	217.732	217.447	217.316	217.281	217.262	24
25	217.336	217.306	217.292	217.334	217.460	217.650	217.632	217.681	217.425	217.391	217.178	217.235	25
26	217.337	217.313	217.288	217.358	217.424	217.583	217.647	217.602	217.290	217.384	217.148	217.234	26
27	217.332	217.297	217.300	217.107	217.483	217.580	217.658	217.578	217.290	217.089	217.172	217.222	27
28	217.332	217.281	217.291	217.172	217.488	217.628	217.688	217.602	217.282	217.234	217.228	217.216	28
29	217.328	217.300	217.300	217.332	217.505	217.683	217.701	217.662	217.353	217.259	217.243	217.238	29
30	217.343		217.300	217.348	217.518	217.731	217.631	217.336	217.342	217.280	217.144	217.256	30
31	217.347		217.307		217.480		217.581	217.344		217.381		217.260	31
MEAN	217.334	217.317	217.296	217.314	217.408	217.531	217.627	217.601	217.388	217.333	217.234	217.244	MEAN
MAX	217.385	217.335	217.313	217.370	217.518	217.731	217.720	217.781	217.680	217.686	217.340	217.280	MAX
MIN	217.311	217.281	217.276	217.107	217.313	217.382	217.530	217.336	217.178	217.089	217.077	217.211	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1984

MEAN, 217.308
MAXIMUM DAILY, 217.781 ON AUG 11
MINIMUM DAILY, 217.077 ON NOV 1
MAXIMUM INSTANTANEOUS,
217.848 AT 05 15 CST ON AUG 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 41 51 N
LONG 97 52 15 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1973

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1988 ADJ)

METLEY CREEK NEAR MATLOCK - STATION NO 05DJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.176B	0.120	0.008	0.052	---	---	---	---	---	1
2	---	---	0 B	0.139	0.100	0.007	0.032	---	---	---	---	---	2
3	---	---	0 B	0.128	0.090	0.002	0.017	---	---	---	---	---	3
4	---	---	0 B	0.124	0.085	0.0048	---	---	---	---	---	---	4
5	---	---	0 B	0.081	0.043	0.0072	---	---	---	---	---	---	5
6	---	---	0 B	0.102	0.021	0.009	---	---	---	---	---	---	6
7	---	---	0 B	0.154	0.018	0.050	---	---	---	---	---	---	7
8	---	---	0 B	0.167	0.008	0.041	---	---	---	---	---	---	8
9	---	---	0 B	0.139	0.010	0.067	---	---	---	---	---	---	9
10	---	---	0 B	0.112	0.013	0.095	---	---	---	---	---	---	10
11	---	---	0 B	0.089	0.018	0.063	---	---	---	---	---	---	11
12	---	---	0 B	0.148	0.017	0.065	---	---	---	---	---	---	12
13	---	---	0 B	0.181	0.026	0.026	---	---	---	---	---	---	13
14	---	---	0 B	0.189	0.053	0.024	---	---	---	---	---	---	14
15	---	---	0 B	0.173	0.007	0.018	---	---	---	---	---	---	15
16	---	---	0 B	0.152	0.003	0.017	---	---	---	---	---	---	16
17	---	---	0 B	0.178	0.003E	0.065	---	---	---	---	---	---	17
18	---	---	0 B	0.247	0.003E	0.045	---	---	---	---	---	---	18
19	---	---	0 B	0.183	0.008	0.031	---	---	---	---	---	---	19
20	---	---	0 B	0.134	0.012	0.070	---	---	---	---	---	---	20
21	---	---	0 B	0.125	0.016	0.038	---	---	---	---	---	---	21
22	---	---	0 B	0.137	0.008	0.071	---	---	---	---	---	---	22
23	---	---	0 B	0.136	0.008	0.136	---	---	---	---	---	---	23
24	---	---	0 B	0.119	0.018	0.113	---	---	---	---	---	---	24
25	---	---	0 B	0.107	0.017	0.110	---	---	---	---	---	---	25
26	---	---	0 B	0.100	0.017	0.119	---	---	---	---	---	---	26
27	---	---	0.030B	0.124	0.012	0.106	---	---	---	---	---	---	27
28	---	---	0.106B	0.139	0.013	0.095	---	---	---	---	---	---	28
29	---	---	0.176B	0.106	0.011	0.085	---	---	---	---	---	---	29
30	---	---	0.340B	0.117	0.008	0.070	---	---	---	---	---	---	30
31	---		0.280B		0.005		---	---	---	---	---	---	31
TOTAL	---	---	0.900	4.248	0.787	1.841	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.029	0.142	0.025	0.055	---	---	---	---	---	---	MEAN
MAX	---	---	0.340	0.247	0.120	0.136	---	---	---	---	---	---	MAX
MIN	---	---	0	0.081	0.002	0.002	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

SUMMARY FOR THE MONTHS MAR TO JUN

MEAN, 0.052
MAXIMUM DAILY, 0.340B ON MAR 30
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 52 N
LONG 97 09 58 W
DRAINAGE AREA, 345 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	77.8	SEP	---
APR	367	OCT	---
MAY	68.3	NOV	---
JUN	142	DEC	---

TOTAL DISCHARGE, 653 dam³

RETLEY CREEK NEAR PETERSFIELD - STATION NO. 05BJ008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	3.35 B	0.150	0.080	0.201	0.271	0.073	0.115	---	---	1
2	---	---	0 B	3.80 B	0.178	0.053	0.181	0.226	0.078	0.120	---	---	2
3	---	---	0 B	1.93 B	0.307	0.060	0.138	0.089	0.074	0.124	---	---	3
4	---	---	0 B	1.73 B	0.318	0.045	0.123	0.064	0.064	0.175	---	---	4
5	---	---	0 B	1.46 B	0.196	0.048	0.119	0.028	0.070	0.204	---	---	5
6	---	---	0 B	1.35 B	0.186	0.052	0.130	0.021	0.080	0.215	---	---	6
7	---	---	0 B	1.14	0.152	0.071	0.121	0.059	0.080	0.214	---	---	7
8	---	---	0 B	1.07	0.132	0.088	0.123	0.060	0.083	0.201	---	---	8
9	---	---	0 B	0.933	0.111	0.101	0.102	0.038	0.081	0.178	---	---	9
10	---	---	0 B	0.788	0.104	0.113	0.081	0.033	0.078	0.186	---	---	10
11	---	---	0 B	0.881	0.111	0.147	0.088	0.028	0.071	0.184	---	---	11
12	---	---	0 B	0.982	0.117	0.188	0.070	0.027	0.104	0.182	---	---	12
13	---	---	0 B	0.858	0.120	0.178	0.084	0.083	0.118	0.162	---	---	13
14	---	---	0 B	0.618	0.118	0.188	0.089	0.128	0.108	0.133	---	---	14
15	---	---	0 B	0.600	0.127	0.148	0.073	0.105	0.101	0.142	---	---	15
16	---	---	0 B	0.395	0.183	0.137	0.053	0.084	0.083	0.145	---	---	16
17	---	---	0 B	0.604	0.188	0.142	0	0.142	0.085	0.127	---	---	17
18	---	---	0 B	0.447	0.218	0.144	0.015	0.180	0.080	0.111	---	---	18
19	---	---	0 B	0.538	0.195	0.181	0.048	0.188	0.073	0.111	---	---	19
20	---	---	0 B	0.438	0.193	0.188	0.188	0.148	0.084	0.137	---	---	20
21	---	---	0 B	0.348	0.185	0.170	0.438	0.117	0.088	0.144	---	---	21
22	---	---	0 B	0.318	0.170	0.188	0.232	0.180	0.091	0.185	---	---	22
23	---	---	0 B	0.288	0.184	0.237	0.140	0.148	0.094	0.178	---	---	23
24	---	---	0 B	0.268	0.181	0.418	0.109	0.123	0.084	0.188	---	---	24
25	---	---	0 B	0.307	0.138	0.398	0.178	0.103	0.103	0.184	---	---	25
26	---	---	0 B	0.310	0.118	0.388	0.338	0.088	0.103	0.170	---	---	26
27	---	---	1.23 B	0.311	0.110	0.334	0.234	0.092	0.104	0.130	---	---	27
28	---	---	2.48 B	0.288	0.111	0.338	0.193	0.077	0.108	0.103	---	---	28
29	---	---	3.58 B	0.261	0.108	0.288	0.114	0.082	0.107	0.0918	---	---	29
30	---		3.81 B	0.223	0.083	0.248	0.122	0.078	0.110	0.0868	---	---	30
31	---		3.83 B		0.071		0.148	0.087		0.0898		---	31
TOTAL	---	---	15.00	24.307	4.822	5.252	4.231	3.095	3.593	4.594	---	---	TOTAL
MEAN	---	---	0.484	0.810	0.148	0.175	0.136	0.100	0.085	0.148	---	---	MEAN
MAX	---	---	3.83	3.80	0.318	0.418	0.438	0.271	0.118	0.215	---	---	MAX
MIN	---	---	0	0.223	0.071	0.045	0	0.028	0.080	0.085	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.250
MAXIMUM DAILY, 3.830 ON MAR 31
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 19 36 N
LONG 97 02 35 W
DRAINAGE AREA, 598 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	388
FEB	---	AUG	267
MAR	1 300	SEP	224
APR	2 100	OCT	397
MAY	400	NOV	---
JUN	455	DEC	---

TOTAL DISCHARGE, 5 810 dam³

NORTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO. 05KH005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	255.128	---	255.083	255.097E	255.054	255.999	255.982	255.810	255.788	255.785	255.788	255.814	1
2	255.120	---	255.048	255.097E	255.053	255.085	256.030	255.898	255.780	255.799	255.787	255.812	2
3	255.133	---	255.049	255.097E	255.057	255.082	255.037	255.898	255.778	255.779	255.805	255.813	3
4	255.129	---	255.047	255.097E	255.056	255.044	255.033	255.898	255.789	255.732	255.807	255.815	4
5	255.127	---	255.043	255.098E	255.058	255.059	255.009	255.894	255.731	255.713	255.801	255.810	5
6	255.128	---	255.040	255.098E	255.057	255.051	255.983	255.888	255.701	255.782	255.801	255.810	6
7	255.122	---	255.040	255.098E	255.060	255.118	255.944	255.874	255.781	255.771	255.805	255.814	7
8	255.118	---	255.036	255.098A	255.053	255.129	255.998	255.907	255.813	255.738	255.809	255.815	8
9	255.120	---	255.036	255.098	255.052	255.089	255.024	255.915	255.807	255.738	255.804	255.815	9
10	255.118	---	255.040	255.099	255.054	255.026	255.984	255.902	255.770	255.740	255.799	255.815	10
11	255.119A	---	255.044	255.095	255.058	255.073	255.001	255.923	255.780	255.771	255.802	255.814	11
12	---	---	255.027	255.090	255.044	255.083	255.990	255.883	255.762	255.770	255.801	255.808	12
13	---	---	255.020	255.001	255.053	255.049	255.983	255.868	255.780	255.758	255.802	255.809	13
14	---	---	255.018	255.004	255.039	255.002	255.036	255.908	255.782	255.771	255.803	255.810	14
15	---	---	255.022	255.007	255.007	255.004	255.979	255.882	255.787	255.840	255.812	255.812	15
16	---	---	255.030	255.005	255.028	255.045	255.992	255.830	255.733	255.728	255.808	255.813	16
17	---	---	255.024	255.013	255.015	255.057	255.958	255.852	255.789	255.801	255.808	255.808	17
18	---	---	255.018	255.014	255.119	255.057	255.998	255.818	255.782	255.812	255.808	255.808	18
19	---	---	255.018	255.017	255.084	255.040	255.994	255.811	255.788	255.874	255.808	255.810	19
20	---	---	255.007	255.020	255.028	255.016	255.924	255.826	255.770	255.887	255.807	255.813	20
21	---	---	255.009	255.018	255.083	255.027	255.952	255.878	255.782	255.830	255.807	255.812	21
22	---	255.084A	255.007	255.017	255.102	255.051	255.980	255.788	255.877	255.788	255.807	255.804	22
23	---	255.082	255.002	255.021	255.109	255.118	255.985	255.784	255.889	255.824	255.807	255.805	23
24	---	255.084	255.000	255.021	255.094	255.038	255.934	255.778	255.764	255.827	255.808	255.803	24
25	---	255.084	255.995	255.047	255.075	255.048	255.934	255.794	255.770	255.727	255.811	255.805	25
26	---	255.082	255.002	255.080	255.082	255.081	255.914	255.780	255.783	255.812	255.815	255.807	26
27	---	255.087	255.992	255.070	255.068	255.088	255.914	255.795	255.802	255.866	255.818	255.804	27
28	---	255.052	255.988A	255.078	255.047	255.087	255.885	255.817	255.779	255.810	255.817	255.802	28
29	---	255.049	255.988E	255.085	255.044	255.088	255.914	255.785	255.776	255.787	255.818	255.801	29
30	---		255.988E	255.051	255.083	255.970	255.939	255.825	255.785	255.787	255.818	255.807	30
31	---		255.988E		255.083		255.927	255.838		255.795		255.804	31
MEAN	---	---	255.021	255.017	255.080	255.044	254.971	255.849	255.788	255.788	255.807	255.809	MEAN
MAX	---	---	255.052	255.078	255.119	255.128	255.027	255.925	255.877	255.874	255.818	255.818	MAX
MIN	---	---	255.992	255.987	255.007	255.885	255.885	255.784	255.701	255.713	255.787	255.801	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 255.133 ON JAN 3
MINIMUM DAILY, 255.701 ON SEP 6
MAXIMUM INSTANTANEOUS,
255.237 AT 15:23 CST ON SEP 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1984

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

NORTH SEAL RIVER BELOW STONY LAKE - STATION NO. 05CB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	121 B	90.3B	57.4B	49.5B	125	289	238	172	120E	102	99.8B	77.3B	1
2	121 B	89.3B	56.6B	49.0B	131	274	228	169	120E	104	96.8B	76.7B	2
3	119 B	88.4B	55.7B	48.2B	136	277	228	169	119E	104	97.5B	76.1B	3
4	119 B	87.4B	55.3B	48.1B	142	276	223	165	117E	104	96.8B	75.5B	4
5	118 B	87.0B	54.5B	47.5B	148	276	224	166	118E	104	96.0B	74.7B	5
6	118 B	86.0B	54.1B	47.0B	157	276	221	160	115E	107	95.2B	74.2B	6
7	115 B	85.5B	53.4B	46.7B	162	275	216	158	115E	103	94.3B	73.7B	7
8	114 B	84.5B	52.5B	46.1B	171	270	214	156	114E	104	93.5B	73.1B	8
9	113 B	83.6B	51.9B	45.6B	180	279	212	154	113E	105	92.9B	72.5B	9
10	113 B	82.8B	51.1B	45.3B	186	281	213	154	113E	105	92.2B	72.0B	10
11	111 B	81.9B	50.8B	44.7B	192	279	208A	154	112E	105	91.5B	71.4B	11
12	109 B	81.1B	50.4B	44.4B	199	276	204E	149	111E	105	90.7B	70.8B	12
13	109 B	80.2B	49.7B	43.8B	205	272	202E	147	110E	107	89.9B	70.2B	13
14	108 B	79.3B	49.0B	43.5B	211	267	200E	146	110E	107	89.0B	69.6B	14
15	107 B	78.8B	48.3B	43.5B	218	267	198E	145	109E	107	88.4B	69.0B	15
16	105 B	77.8B	48.0B	43.4B	222	267	196E	142	108E	104	87.4B	68.5B	16
17	104 B	76.9B	47.3B	43.2B	230	265	195E	140	108E	103	86.7B	68.0B	17
18	104 B	76.0B	46.6B	43.2B	238	261	193E	139	107E	103	86.1B	67.5B	18
19	103 B	75.1B	46.0B	43.2B	241	260	191E	137	107A	107	85.5B	66.8B	19
20	101 B	74.2B	45.7B	43.8B	245	257	189E	134	107	107	84.7B	66.2B	20
21	100 B	73.8B	45.2B	47.8B	250	256	185E	131	106	106	84.1B	65.7B	21
22	99.8B	72.8B	44.6B	52.0B	252	262	185E	131A	104	106	83.4B	65.2B	22
23	98.8B	72.4B	44.3B	53.3B	254	254	183E	129E	106	106	82.7B	64.6B	23
24	97.5B	71.6B	44.0B	54.0B	256	253	181E	128E	106	106	81.9B	64.1B	24
25	96.4B	70.7B	43.3B	72.4B	256	249	180A	127E	104	106	81.2B	63.7B	25
26	95.4B	69.9B	42.7B	82.6B	260	248	178	126E	104	105	80.6B	63.4B	26
27	94.3B	69.0B	42.0B	91.7B	261	242	176	126E	105	106	79.9B	63.1B	27
28	93.6B	68.6B	41.4B	101 B	264	242	175	124E	104	107	79.3B	62.7B	28
29	92.6B	68.2B	50.7B	113 B	266	241	175	123E	103	103	78.6B	62.4B	29
30	91.7B		50.4B	118	267	237	174	122E	102	102B	77.9B	62.1B	30
31	91.2B		49.8B		267		172	121E		101B		61.8B	31
TOTAL	3 282.5	2 282.7	1 802.8	1 712.1	6 595	7 817	6 161	4 464	3 295	3 253	2 646.3	2 132.6	TOTAL
MEAN	106	78.7	58.2	57.1	213	264	199	143	110	105	83.2	68.8	MEAN
MAX	121	90.3	57.4	118	267	281	238	173	120	107	99.8	77.3	MAX
MIN	91.2	68.2	49.8	43.2	125	237	172	121	102	101	77.9	61.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 124
MAXIMUM DAILY, 281 ON JUN 10
MINIMUM DAILY, 43.2B ON APR 17
MAXIMUM INSTANTANEOUS,
289 ON JUN 10

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 50 40 N
LONG 98 17 20 W
DRAINAGE AREA, 17 800 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN 284 000	JUL 532 000
FEB 197 000	AUG 384 000
MAR 156 000	SEP 285 000
APR 148 000	OCT 281 000
MAY 570 000	NOV 229 000
JUN 884 000	DEC 184 000

TOTAL DISCHARGE, 3 930 000 dam³

NORTH SHOAL LAKE NEAR INWOOD - STATION NO. 05LN004

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	28.851A	---	29.030	28.953	28.945	28.878	28.786	28.781	---	---	1
2	---	---	---	---	29.018	28.954	28.973	28.869	28.790	28.829	---	---	2
3	---	---	---	---	29.018	28.959	28.891	28.861	28.795	28.784	---	---	3
4	---	---	---	28.937A	29.030	28.940	28.887	28.855	28.807	28.782	---	---	4
5	---	---	---	29.033	29.005	28.950	28.993	28.895	28.786	28.754	---	---	5
6	---	---	---	29.024	29.053	28.944	28.950	28.878	28.701	28.787	---	---	6
7	---	---	---	29.019	29.068	28.980	28.891	28.870	28.777	28.792	---	---	7
8	---	---	---	29.018	29.041	29.013	28.932	28.883	28.807	28.778	---	---	8
9	---	---	---	29.022	28.994	28.998	28.950	28.913	28.814	28.786	---	---	9
10	---	---	---	29.023	28.999	28.980	28.945	28.884	28.802	28.762	---	---	10
11	---	---	---	29.036	29.041	28.946	28.948	28.833	28.790	28.698	---	---	11
12	---	---	---	29.043	28.990	28.973	28.929	28.841	28.788	28.695	---	---	12
13	---	---	---	29.045	29.015	28.987	28.922	28.858	28.837	28.775	---	---	13
14	---	---	---	29.043	29.001	28.953	28.965	28.874	28.817	28.783	---	---	14
15	---	---	---	29.044	28.964	28.964	28.974	28.877	28.808	28.824	---	---	15
16	---	---	---	29.043	28.910	28.959	28.957	28.848	28.774	28.592	---	---	16
17	---	---	---	29.042	28.958	28.996	28.931	28.870	28.789	28.791	---	---	17
18	---	---	---	29.037	29.004	29.010	28.920	28.852	28.821	28.803	---	---	18
19	---	---	---	29.038	28.991	28.962	28.926	28.821	28.835	28.898	---	---	19
20	---	---	---	29.038	28.963	28.960	28.887	28.841	28.791	28.889	---	---	20
21	---	---	---	29.029	28.951	28.961	28.887	28.882	28.800	28.889	---	---	21
22	---	---	---	29.021	29.004	29.000	28.929	28.852	28.795	28.856	28.858A	---	22
23	---	---	---	29.026	28.992	29.052	28.914	28.820	28.861	28.850	---	---	23
24	---	---	---	29.027	28.997	29.011	28.892	28.798	28.828	28.886	---	---	24
25	---	---	---	29.058	28.998	28.980	28.880	28.812	28.807	28.818	---	---	25
26	28.804A	---	---	29.119	28.983	29.038	28.880	28.830	28.795	28.842	---	---	26
27	---	---	---	29.180	28.985	29.004	28.877	28.829	28.810	28.980	---	---	27
28	---	---	---	29.112	28.958	28.992	28.861	28.846	28.798	28.875	---	---	28
29	---	---	29.080A	29.057	28.925	28.984	28.849	28.827	28.790	28.880	---	---	29
30	---		---	28.983	28.940	28.950	28.875	28.858	28.793	28.857	---	---	30
31	---		---		28.958		28.894	28.803		28.851A		---	31
MEAN	---	---	---	---	28.993	28.978	28.925	28.851	28.800	28.810	---	---	MEAN
MAX	---	---	---	---	29.058	29.052	28.993	28.913	28.861	28.980	---	---	MAX
MIN	---	---	---	---	28.910	28.940	28.849	28.795	28.701	28.592	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 29.180 ON APR 27

MAXIMUM INSTANTANEOUS,
29.237 AT 15.45 CST ON APR 27

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 28 00 N
LONG 97 37 30 W

A - MANUAL GAUGE

OAK CREEK NEAR STOCKTON - STATION NO. 05NG010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0018	0.0018	0.0018	0.0678	0	0.001	0.005	0	0	0	0.0	0.0	1
2	0.0018	0.0018	0.0018	0.0508	0	0.001	0.004	0	0	0	0.0	0.0	2
3	0.0018	0.0018	0.0018	0.0348	0.007	0.001	0.003	0	0	0	0.0	0.0	3
4	0.0018	0.0018	0.0018	0.035	0.003	0.001	0.002	0	0	0	0.0	0.0	4
5	0.0018	0.0018	0.0058	0.027	0.001	0.001	0.002	0	0	0	0.0	0.0	5
6	0.0018	0.0018	0.0078	0.008	0.001	0.002	0.001	0	0	0	0.0	0.0	6
7	0.0018	0.0018	0.0078	0.012	0	0.002	0.001	0	0	0	0.0	0.0	7
8	0.0018	0.0018	0.0078	0.006	0	0.001	0.003	0	0	0	0.0	0.0	8
9	0.0018	0.0018	0.0068	0.007	0	0.001	0.003	0	0	0	0.0	0.0	9
10	0.0018	0.0018	0.0078	0.008	0	0.001	0.002	0	0	0	0.0	0.0	10
11	0.0018	0.0018	0.0068	0.008	0	0.001	0.001	0	0	0	0.0	0.0	11
12	0.0018	0.0018	0.0078	0.014	0	0.003	0.001	0	0	0	0.0	0.0	12
13	0.0018	0.0018	0.0068	0.011	0	0.003	0.001	0	0	0	0.0	0.0	13
14	0.0018	0.0018	0.0068	0.006	0	0.001	0.001	0	0	0	0.0	0.0	14
15	0.0018	0.0018	0.0038	0.004	0	0.001	0	0	0	0	0.0	0.0	15
16	0.0018	0.0018	0.0038	0.003	0	0.001	0	0	0	0	0.0	0.0	16
17	0.0018	0.0018	0.0048	0.004	0	0.001	0	0	0	0	0.0	0.0	17
18	0.0018	0.0018	0.0048	0.003	0	0.001	0	0	0	0	0.0	0.0	18
19	0.0018	0.0018	0.0048	0.003	0	0.001	0	0	0	0	0.0	0.0	19
20	0.0018	0.0018	0.0048	0.003	0	0.001	0	0	0	0	0.0	0.0	20
21	0.0018	0.0018	0.0528	0.002	0.001	0.008	0	0	0	0	0.0	0.0	21
22	0.0018	0.0018	0.2228	0.001	0.001	0.008	0	0	0	0	0.0	0.0	22
23	0.0018	0.0018	0.3638	0	0.001	0.008	0	0	0	0	0.0	0.0	23
24	0.0018	0.0018	0.5538	0	0.002	0.005	0	0	0	0	0.0	0.0	24
25	0.0018	0.0018	0.6858	0	0.002	0.005	0	0	0	0	0.0	0.0	25
26	0.0018	0.0018	0.4068	0	0.002	0.004	0	0	0	0	0.0	0.0	26
27	0.0018	0.0018	0.2308	0	0.001	0.007	0	0	0	0.0	0.0	0.0	27
28	0.0018	0.0018	0.1488	0	0.001	0.007	0	0	0	0.0	0.0	0.0	28
29	0.0018	0.0018	0.1208	0	0.001	0.005	0	0	0	0.0	0.0	0.0	29
30	0.0018		0.1388	0	0.001	0.005	0	0	0	0.0	0.0	0.0	30
31	0.0018		0.1148		0.001		0	0		0.0		0.0	31
TOTAL	0.031	0.029	3.106	0.320	0.026	0.080	0.030	0	0	0	0	0	TOTAL
MEAN	0.001	0.001	0.100	0.011	0.001	0.003	0.001	0	0	0	0	0	MEAN
MAX	0.001	0.001	0.685	0.087	0.007	0.004	0.005	0	0	0	0	0	MAX
MIN	0.001	0.001	0.001	0	0	0.001	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.010
MAXIMUM DAILY, 0.6858 ON MAR 25
MINIMUM DAILY, 0 ON APR 23
MAXIMUM INSTANTANEOUS,
0.8218 AT 19:46 CST ON MAR 24

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 44 N
LONG 95 30 49 W
DRAINAGE AREA, 1 050 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 88	JUL	2 59
FEB	2 51	AUG	0
MAR	266	SEP	0
APR	27 6	OCT	0
MAY	2 25	NOV	0
JUN	7 76	DEC	0

TOTAL DISCHARGE, 313 dam³

OAK LAKE AT OAK LAKE RESORT - STATION NO. 05NG00C

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	429.443	429.570	429.556	429.472	429.310	429.124	429.111	429.162	---	1
2	---	---	---	429.444	429.571	429.555	429.461	429.304	429.127	429.109	429.160	---	2
3	---	---	---	429.441	429.574	429.522	429.460	429.302	429.127	429.068	429.164	---	3
4	---	---	---	429.443	429.572	429.507	429.450A	429.295	429.121	429.076	429.162	---	4
5	---	---	---	429.444	429.576	429.505	429.444E	429.289	429.120	429.088	429.164	---	5
6	---	---	---	429.447	429.565	429.511	429.437E	429.277	429.121	429.083	429.184	---	6
7	---	---	---	429.448	429.576	429.529	429.431E	429.277	429.135	429.097	429.185	---	7
8	---	---	---	429.453	429.574	429.520	429.424E	429.284	429.115	429.101	429.185A	---	8
9	---	---	---	429.453	429.571	429.503	429.418E	429.258	429.114	429.105	---	---	9
10	---	---	---	429.461	429.587	429.511	429.411E	429.250	429.121	429.101	---	---	10
11	---	---	---	429.473	429.577	429.514	429.405E	429.248	429.118	429.107	---	---	11
12	---	---	---	429.486	429.565	429.508	429.398E	429.236	429.133	429.116	---	---	12
13	---	---	---	429.521	429.575	429.510	429.392E	429.240	429.139	429.118	---	---	13
14	---	---	---	429.528	429.575	429.508	429.388E	429.240	429.140	429.114	---	---	14
15	---	---	---	429.529	429.582	429.511	429.378E	429.229	429.139	429.102	---	---	15
16	---	---	---	429.535	429.577	429.514	429.373E	429.225	429.145	429.190	---	---	16
17	---	---	---	429.537	429.525	429.523	429.368E	429.221	429.142	429.166	---	---	17
18	---	---	---	429.536	429.583	429.518	429.360A	429.220	429.135	429.141	---	---	18
19	---	---	---	429.536	429.553	429.511	429.348	429.218	429.128	429.136	---	---	19
20	---	---	---	429.536	429.552	429.506	429.341	429.210	429.123	429.153	---	---	20
21	---	---	---	429.540	429.568	429.515	429.344	429.205	429.085	429.157	---	---	21
22	---	---	---	429.548	429.582	429.524	429.358	429.195	429.151	429.162	---	---	22
23	---	---	---	429.545	429.544	429.509	429.349	429.192	429.115	429.165	---	---	23
24	---	---	---	429.540	429.555	429.496	429.342	429.186	429.112	429.148	---	---	24
25	---	---	---	429.525	429.550	429.500	429.340	429.185	429.120	429.155	---	---	25
26	---	---	---	429.487	429.553	429.492	429.333	429.187	429.122	429.158	---	---	26
27	---	---	---	429.482	429.546	429.484	429.330	429.174	429.117	429.151	---	---	27
28	---	---	429.439A	429.566	429.550	429.483	429.326	429.171	429.118	429.166	---	---	28
29	---	429.412A	---	429.564	429.560	429.482	429.321	429.184	429.116	429.164	---	---	29
30	---		429.451A	429.565	429.555	429.479	429.315	429.149	429.106	429.161	---	---	30
31	---		429.443		429.550		429.309	429.130		429.163		---	31
MEAN	---	---	---	429.502	429.567	429.510	429.381	429.228	429.126	429.132	---	---	MEAN
MAX	---	---	---	429.566	429.626	429.556	429.472	429.310	429.161	429.190	---	---	MAX
MIN	---	---	---	429.441	429.544	429.479	429.309	429.130	429.085	429.078	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 429.825 ON MAY 17

MAXIMUM INSTANTANEOUS,
429.861 AT 14:31 CST ON MAY 17

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 100 42 30 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

DRAINAGE AREA,
4 770 km²

OAK RIVER AT SHOAL LAKE - STATION NO. 05MG005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	1
2	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	2
3	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	3
4	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	4
5	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	5
6	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	6
7	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	7
8	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	8
9	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	9
10	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	10
11	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	11
12	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	12
13	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	13
14	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	14
15	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	15
16	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	16
17	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	17
18	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	18
19	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	19
20	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	20
21	0S	0S	0S	0	0	0	0	0	0	0	0S	0S	21
22	0S	0S	0S	0	0	0.014	0	0	0	0	0S	0S	22
23	0S	0S	0S	0	0	0.081	0	0	0	0	0S	0S	23
24	0S	0S	0	0	0	0.030	0	0	0	0	0S	0S	24
25	0S	0S	0	0	0	0.050	0	0	0	0S	0S	0S	25
26	0S	0S	0	0	0	0.075	0	0	0	0S	0S	0S	26
27	0S	0S	0	0	0	0.079	0	0	0	0S	0S	0S	27
28	0S	0S	0	0	0	0.057	0	0	0	0S	0S	0S	28
29	0S	0S	0	0	0	0.017	0	0	0	0S	0S	0S	29
30	0S		0	0	0	0	0	0	0	0S	0S	0S	30
31	0S		0		0		0	0		0S		0S	31
TOTAL	0	0	0	0	0	0.403	0	0	0	0	0	0	TOTAL
MEAN	0	0	0	0	0	0.013	0	0	0	0	0	0	MEAN
MAX	0	0	0	0	0	0.081	0	0	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.081 ON JUN 23
MINIMUM DAILY, 0S ON JAN 1
MAXIMUM INSTANTANEOUS,
0.139 AT 07:28 CST ON JUN 23

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 26 33 N
LONG 100 35 16 W
DRAINAGE AREA, 370 km²

0 - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	0	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	0
JUN	34.8	DEC	0

TOTAL DISCHARGE, 34.8 dam³

OAK RIVER NEAR RIVERS - STATION NO 05MG004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0S	0S	0 E	0	0	0	0.005	0	0	0	0S	0S	1
2	0S	0S	0 E	0	0	0	0.004	0	0	0	0S	0S	2
3	0S	0S	0 E	0	0	0	0.002	0	0	0	0S	0S	3
4	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	4
5	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	5
6	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	6
7	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	7
8	0S	0S	0 E	0	0	0	0.001	0	0	0	0S	0S	8
9	0S	0S	0 E	0	0	0	0.002	0	0	0	0S	0S	9
10	0S	0S	0 E	0	0	0	0.001	0	0	0	0S	0S	10
11	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	11
12	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	12
13	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	13
14	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	14
15	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	15
16	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	16
17	0S	0S	0 E	0	0	0.002	0	0	0	0	0S	0S	17
18	0S	0S	0 E	0	0	0.001	0	0	0	0	0S	0S	18
19	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	19
20	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	20
21	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	21
22	0S	0S	0 E	0	0	0	0	0	0	0	0S	0S	22
23	0S	0S	0.0038	0	0	0.005	0	0	0	0	0S	0S	23
24	0S	0S	0.0108	0	0	0.002	0	0	0	0	0S	0S	24
25	0S	0S	0.0278	0	0	0.183	0	0	0	0	0S	0S	25
26	0S	0S	0.0148	0	0	0.140	0	0	0	0	0S	0S	26
27	0S	0S	0.0088	0	0	0.086	0	0	0	0	0S	0S	27
28	0S	0S	0.003A	0	0	0.026	0	0	0	0S	0S	0S	28
29	0S	0S	0.002A	0	0	0.023	0	0	0	0S	0S	0S	29
30	0S		0.001E	0	0	0.013	0	0	0	0S	0S	0S	30
31	0S		0.001E		0		0	0		0S		0S	31
TOTAL	0	0	0.087	0	0	0.462	0.015	0	0	0	0	0	TOTAL
MEAN	0	0	0.002	0	0	0.015	0	0	0	0	0	0	MEAN
MAX	0	0	0.027	0	0	0.183	0.005	0	0	0	0	0	MAX
MIN	0	0	0	0	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.001
MAXIMUM DAILY, 0.183 ON JUN 24
MINIMUM DAILY, 0S ON JAN 1
MAXIMUM INSTANTANEOUS,
0.299 AT 11:09 CST ON JUN 24

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 30 N
LONG 100 33 35 W
DRAINAGE AREA, 1 180 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	1.30
FEB	0	AUG	0
MAR	5.78	SEP	0
APR	0	OCT	0
MAY	0	NOV	0
JUN	39.1	DEC	0

TOTAL DISCHARGE, 46.2 dam³

OCHRE RIVER AT OCHRE RIVER - STATION NO. 05LJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.020B	1.82 B	1.24	1.38	1.41	0.081	0.008	0.143A	---	---	1
2	---	---	0.020B	2.03 B	1.24	1.15	1.12	0.062	0.008	0.136	---	---	2
3	---	---	0.019B	2.05 B	1.24	0.980	0.908	0.055	0.008	0.118	---	---	3
4	---	---	0.019B	1.80 B	1.88	0.870	0.736	0.037	0.007	0.111	---	---	4
5	---	---	0.018B	1.92 B	2.52	0.784	0.621	0.040	0.013	0.134	---	---	5
6	---	---	0.018B	2.18 B	3.90	0.788	0.557	0.028	0.038	0.139	---	---	6
7	---	---	0.017B	2.18 B	3.28	2.38	0.504	0.024	0.055	0.130	---	---	7
8	---	---	0.017B	2.55	2.60	2.05	0.500	0.028	0.086	0.137	---	---	8
9	---	---	0.018B	2.34	3.21	2.33	0.744	0.028	0.145	0.138	---	---	9
10	---	---	0.018B	1.85	4.24	2.32	0.963	0.045	0.116	0.145	---	---	10
11	---	---	0.018B	1.86	7.73	1.84	0.625	0.051	0.108	0.185	---	---	11
12	---	---	0.018E	2.85	11.3	1.44	0.380	0.041	0.128	0.180	---	---	12
13	---	---	0.014B	4.80	11.5	1.22	0.319	0.026	0.215	0.198	---	---	13
14	---	---	0.014B	3.25	10.4	1.03	0.294	0.025	0.262	0.188	---	---	14
15	---	---	0.014B	2.43	8.88	0.913	0.261	0.022	0.198	0.288	---	---	15
16	---	---	0.020B	1.95	8.78	0.803	0.276	0.022	0.152	1.55	---	---	16
17	---	---	0.030B	1.88	8.36	1.14	0.254	0.019	0.113	1.39	---	---	17
18	---	---	0.288B	1.33	4.07	1.79	0.234	0.018	0.080	0.806	---	---	18
19	---	---	0.808B	1.11	3.63	1.29	0.208	0.016	0.075	0.859	---	---	19
20	---	---	0.609B	0.980	3.89	0.980	0.188	0.015	0.087	3.23	---	---	20
21	---	---	1.05 B	0.858	3.87	0.845	0.174	0.014	0.109	3.78	---	---	21
22	---	---	1.87 B	0.778	3.27	1.19	0.152	0.014	0.416	2.85	---	---	22
23	---	---	1.87 B	0.809	2.78	8.52	0.134	0.038	0.421	2.02	---	---	23
24	---	---	1.73 B	0.855	2.81	13.3	0.128	0.040	0.334	1.68	---	---	24
25	---	---	1.47 B	0.874	3.89	8.89	0.108	0.029	0.284	1.43 A	---	---	25
26	---	---	1.02 B	0.835	3.59	5.93	0.089	0.020	0.231	1.32 E	---	---	26
27	---	---	1.16 B	0.579	2.83	4.11	0.101	0.014	0.198	1.25 E	---	---	27
28	---	---	0.671B	1.46	2.40	2.99	0.077	0.012	0.183	1.09 B	---	---	28
29	---	---	0.611B	0.887	2.06	2.24	0.073	0.011	0.162	0.920B	---	---	29
30	---		1.17 B	1.21	1.78	1.71	0.063	0.009	0.152A	0.808B	---	---	30
31	---		1.46 B		1.57		0.074	0.008		0.732B		---	31
TOTAL	---	---	15.847	50.872	129.77	76.171	11.857	0.833	4.375	27.940	---	---	TOTAL
MEAN	---	---	0.543	1.70	4.19	2.81	0.378	0.030	0.146	0.892	---	---	MEAN
MAX	---	---	1.87	4.80	11.5	13.3	1.41	0.081	0.421	3.78	---	---	MAX
MIN	---	---	0.014	0.579	1.24	0.784	0.063	0.008	0.007	0.111	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.31
MAXIMUM DAILY, 13.3 ON JUN 24
MINIMUM DAILY, 0.007 ON SEP 4
MAXIMUM INSTANTANEOUS,
18.0 AT 20 37 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 03 55 N
LONG 99 46 44 W
DRAINAGE AREA, 344 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 010
FEB	---	AUG	80.6
MAR	1 450	SEP	378
APR	4 400	OCT	2 390
MAY	11 200	NOV	---
JUN	6 750	DEC	---

TOTAL DISCHARGE, 27 700 dam³

ODEI RIVER NEAR THOMPSON - STATION NO. 05TE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.3 B	6.808	4.518	3.588	104	70.3	36.8E	18.7	12.6	22.3	17.8 B	6.158	1
2	13.1 B	6.628	4.478	3.538	98.8	66.6	34.8E	18.1	13.7	22.1	17.2 B	6.008	2
3	12.8 B	6.508	4.458	3.638	96.8	66.0	33.4E	15.4	13.0	21.2	16.3 B	7.858	3
4	12.5 B	6.298	4.438	3.54	99.2	63.7	31.3E	14.6	11.4	20.7	15.7 B	7.648	4
5	12.3 B	6.148	4.418	3.58	101	63.5	29.2E	14.0	9.88	20.6	19.1 B	7.498	5
6	12.1 B	5.968	4.398	3.64	100	63.5	27.4E	13.5	8.78	20.5	14.8 B	7.348	6
7	11.8 B	5.668	4.378	3.88	99.3	63.2	26.2E	13.6	9.42	18.6	14.1 B	7.168	7
8	11.6 B	5.758	4.358	4.10	97.0	64.1	26.1E	15.1	10.5	18.0	13.6 B	7.018	8
9	11.4 B	5.658	4.338	4.77	95.4	64.6	26.0E	15.5	10.5	18.7	13.3 B	6.888	9
10	11.1 B	5.568	4.328	5.70	93.1	65.7	24.1E	15.4	14.0	18.1	12.9 B	6.688	10
11	11.0 B	5.468	4.328	6.54	90.8	64.8	22.8E	16.6	16.1	17.4	12.6 B	6.508	11
12	10.7 B	5.428	4.318	13.0	88.4	62.8	22.8E	17.1	20.7	17.2	12.3 B	6.398	12
13	10.6 B	5.338	4.318	15.5	84.6	60.5	23.8E	16.6	22.8	16.9	12.0 B	6.208	13
14	10.4 B	5.238	4.308	20.1	81.2	57.9	24.8E	17.2	23.4	16.4	11.7 B	6.028	14
15	10.2 B	5.128	4.308	26.1	78.2	54.6A	24.8E	16.3	24.2	16.4	11.5 B	5.908	15
16	9.958	5.068	4.298	30.2	75.2	53.8E	24.8E	16.1	24.8	16.2	11.3 B	5.788	16
17	9.788	5.008	4.258	35.9	72.5	52.8E	23.8E	16.6	25.1	17.7	11.0 B	5.638	17
18	9.538	4.898	4.208	43.7	71.6	43.7E	22.8E	16.1	24.7	18.6	10.6 B	5.488	18
19	9.398	4.858	4.188	56.6	71.2	53.9E	21.5A	15.6	24.2	21.6	10.6 B	5.388	19
20	9.088	4.818	4.168	75.9	72.1	53.1E	20.6	15.4	24.4	26.0	10.3 B	5.278	20
21	8.818	4.758	4.088	94.2	76.3	53.1E	20.6	15.4	23.6	29.3	10.1 B	5.218	21
22	8.688	4.708	4.078	115	78.5	53.0E	20.5	15.1	23.3	30.9	9.928	5.108	22
23	8.428	4.688	4.038	147	83.6	53.8E	20.2	15.5	23.1	31.5	9.678	5.028	23
24	8.248	4.668	3.988	167	89.0	52.3E	19.8	15.9	20.0	31.1	9.488	4.918	24
25	8.088	4.628	3.958	167	93.3	49.8E	19.6	15.6	19.2	27.7	9.258	4.818	25
26	7.948	4.608	3.868	159	94.6	47.3E	19.5	14.9	19.6	25.5	9.048	4.688	26
27	7.708	4.588	3.808	150	91.4	46.1E	19.2	14.3	20.7	22.9B	8.848	4.588	27
28	7.558	4.588	3.778	138	87.4	42.8E	18.8	14.1	21.3	22.5B	8.638	4.478	28
29	7.348	4.568	3.708	125	82.5	40.8E	18.4	12.8	22.0	21.2B	8.488	4.388	29
30	7.188		3.638	111	78.3	38.7E	18.2	12.2	22.4	20.0B	8.308	4.288	30
31	6.958		3.598		73.7		17.3	11.7		19.1B		4.188	31
TOTAL	309.49	154.01	128.09	1 738.38	2 701.0	1 695.6	740.4	471.5	561.39	699.1	358.39	184.29	TOTAL
MEAN	9.98	5.31	4.16	57.9	87.1	56.5	23.9	15.2	18.7	21.6	11.9	5.94	MEAN
MAX	13.3	6.80	4.51	167	104	70.3	36.8	17.2	25.1	31.5	17.8	8.15	MAX
MIN	6.95	4.54	3.59	3.53	71.2	38.7	17.3	11.7	8.78	18.2	8.30	4.18	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 26.5
MAXIMUM DAILY, 167 ON APR 24
MINIMUM DAILY, 3.538 ON APR 3
MAXIMUM INSTANTANEOUS,
170 AT 21 15 CST ON APR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 59 48 N
LONG 97 31 33 W
DRAINAGE AREA, 6 450 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	26 700	JUL	64 000
FEB	13 300	AUG	40 700
MAR	11 200	SEP	46 500
APR	180 000	OCT	67 500
MAY	233 000	NOV	30 800
JUN	148 000	DEC	15 900

TOTAL DISCHARGE, 836 000 dam³

OMANDS CREEK NEAR BROOKSIDE CEMETERY - STATION NO 05MJ005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 3808	0 013	0 002	0 014	0	0	0	---	---	1
2	---	---	0 B	0 3628	0 007	0 002	0 013	0	0	0	---	---	2
3	---	---	0 B	0 2598	0 001	0 001	0 014	0	0	0	---	---	3
4	---	---	0 B	0 170	0 001	0 001	0 008	0	0	0	---	---	4
5	---	---	0 B	0 100	0 001	0 001	0 001	0	0	0 E	---	---	5
6	---	---	0 B	0 080	0 001	0 019	0 001	0	0	0 E	---	---	6
7	---	---	0 B	0 068	0 001	0 073	0 001	0	0	0 E	---	---	7
8	---	---	0 B	0 058	0 001	0 143	0 005	0	0	0 E	---	---	8
9	---	---	0 B	0 048	0 001	0 115	0 004	0	0	0 E	---	---	9
10	---	---	0 B	0 037	0 001	0 052	0 002	0	0	0 E	---	---	10
11	---	---	0 B	0 021	0 001	0 034	0 001	0	0	0 E	---	---	11
12	---	---	0 B	0 038	0 001	0 089	0 001	0	0 080	0 E	---	---	12
13	---	---	0 B	0 020	0 001	0 089	0 001	0	0 030	0 E	---	---	13
14	---	---	0 B	0 018	0 001	0 061	0 025	0	0 005	0 E	---	---	14
15	---	---	0 B	0 020	0 001	0 051	0 018	0	0 001	0 080E	---	---	15
16	---	---	0 B	0 018	0 001	0 082	0 015	0	0	0 048E	---	---	16
17	---	---	0 B	0 010	0 001	0 283	0 013	0	0	0 002A	---	---	17
18	---	---	0 B	0 006	0 001	0 111	0 008	0	0	0 001E	---	---	18
19	---	---	0 B	0 001	0 001	0 088	0 004	0	0	0 070E	---	---	19
20	---	---	0 B	0 001	0 007	0 085	0	0	0	0 040E	---	---	20
21	---	---	0 B	0 001	0 023	0 245	0	0	0	0 025E	---	---	21
22	---	---	0 B	0 001	0 016	0 297	0	0	0	0 020E	---	---	22
23	---	---	0 B	0 001	0 013	0 086	0	0	0	0 008E	---	---	23
24	---	---	0 B	0 001	0 015	0 022	0	0	0	0 020E	---	---	24
25	---	---	0 0708	0 001	0 013	0 011	0	0	0	0 005E	---	---	25
26	---	---	0 0758	0 001	0 069	0 056	0	0	0	0 001E	---	---	26
27	---	---	0 0788	0 021	0 005	0 068	0	0	0	0 025Z	---	---	27
28	---	---	0 0658	0 038	0 001	0 050	0	0	0	0 010E	---	---	28
29	---	---	0 0628	0 028	0 001	0 025	0	0	0	0 002E	---	---	29
30	---		0 1008	0 018	0 001	0 014	0	0	0	0 B	---	---	30
31	---		0 2628		0 001		0	0		0 B		---	31
TOTAL	---	---	0 783	1 750	0 162	2 185	0 151	0	0 118	0 354	---	---	TOTAL
MEAN	---	---	0 025	0 058	0 005	0 072	0 005	0	0 004	0 011	---	---	MEAN
MAX	---	---	0 252	0 382	0 023	0 297	0 025	0	0 080	0 080	---	---	MAX
MIN	---	---	0	0 001	0 001	0 001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 022
MAXIMUM DAILY, 0 3628 ON APR 2
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
1 18 AT 19 58 CST ON JUN 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 45 54 59 N
LONG 97 12 58 W
DRAINAGE AREA, 75 1 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	13 0
FEB	---	AUG	0
MAR	85 1	SEP	10 0
APR	151	OCT	30 8
MAY	12 3	NOV	---
JUN	187	DEC	---

TOTAL DISCHARGE, 489 dam³

OMANDS CREEK NEAR METRO ROUTE 90 - STATION NO 05MJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 3728	0 020	0 010	0 034	0 002	0	0	---	---	1
2	---	---	0 B	0 3348	0 014	0 008	0 028	0 001	0	0	---	---	2
3	---	---	0 B	0 276	0 008	0 008	0 018	0	0	0	---	---	3
4	---	---	0 B	0 198	0 005	0 005	0 005	0	0	0	---	---	4
5	---	---	0 B	0 138	0 003	0 006	0 006	0	0	0	---	---	5
6	---	---	0 B	0 149	0 003	0 044	0 003	0	0	0	---	---	6
7	---	---	0 B	0 112	0 001	0 107	0 002	0	0	0	---	---	7
8	---	---	0 B	0 071	0 001	0 288	0 003	0	0	0	---	---	8
9	---	---	0 B	0 047	0 001	0 181	0 001	0	0	0	---	---	9
10	---	---	0 B	0 029	0 001	0 082	0 001	0	0	0	---	---	10
11	---	---	0 B	0 032	0 001	0 029	0 001	0	0	0	---	---	11
12	---	---	0 B	0 058	0 002	0 086	0 004	0	0 207	0	---	---	12
13	---	---	0 B	0 029	0 008	0 183	0 005	0	0 047	0	---	---	13
14	---	---	0 B	0 019	0 005	0 038	0 084	0	0 008	0	---	---	14
15	---	---	0 B	0 018	0 001	0 020	0 018	0	0 001	0 183	---	---	15
16	---	---	0 B	0 013	0 001	0 103	0 007	0	0	0 109	---	---	16
17	---	---	0 B	0 010	0 001	0 832	0 005	0	0	0 005	---	---	17
18	---	---	0 B	0 007	0 001	0 322	0 002	0	0	0 002	---	---	18
19	---	---	0 B	0 005	0 001	0 182	0 001	0	0	0 180	---	---	19
20	---	---	0 B	0 004	0 011	0 104	0	0	0	0 068	---	---	20
21	---	---	0 B	0 010	0 048	0 841	0	0	0	0 057	---	---	21
22	---	---	0 0118	0 010	0 010	1 38	0	0	0	0 044	---	---	22
23	---	---	0 0318	0 007	0 008	0 545	0	0	0	0 017	---	---	23
24	---	---	0 0518	0 006	0 010	0 299	0	0	0	0 042	---	---	24
25	---	---	0 0888	0 008	0 011	0 184	0	0	0	0 012	---	---	25
26	---	---	0 1478	0 012	0 008	0 215	0 005	0	0	0 001	---	---	26
27	---	---	0 2508	0 036	0 005	0 149	0 002	0	0	0 050	---	---	27
28	---	---	0 1818	0 048	0 004	0 108	0 001	0	0	0 0208	---	---	28
29	---	---	0 1818	0 022	0 003	0 075	0 001	0 047	0	0 0058	---	---	29
30	---		0 1058	0 033	0 001	0 044	0 004	0 008	0	0 B	---	---	30
31	---		0 2888		0 001		0 003	0 001		0 B		---	31
TOTAL	---	---	1 321	2 111	0 187	8 310	0 228	0 059	0 263	0 776	---	---	TOTAL
MEAN	---	---	0 043	0 070	0 006	0 210	0 007	0 002	0 009	0 025	---	---	MEAN
MAX	---	---	0 288	0 372	0 048	1 38	0 084	0 047	0 207	0 183	---	---	MAX
MIN	---	---	0	0 004	0 001	0 005	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 048
MAXIMUM DAILY, 1 38 ON JUN 22
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
3 18 AT 22:38 CST ON JUN 21

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 43 N
LONG 97 12 20 W
DRAINAGE AREA, 80 5 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	19 5
FEB	---	AUG	5 10
MAR	114	SEP	22 7
APR	182	OCT	67 0
MAY	17 0	NOV	---
JUN	545	DEC	---

TOTAL DISCHARGE, 972 dam³

OTTER LAKE NEAR BROAD VALLEY - STATION NO. 05OB001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	274.098	274.061	274.085	273.957	273.826	273.845	---	---	1
2	---	---	---	---	274.098	274.052	274.048	273.954	273.826	273.826	---	---	2
3	---	---	---	---	274.101	274.045	274.040	273.951	273.826	273.826	---	---	3
4	---	---	---	---	274.098	274.040	274.034	273.948	273.826	273.826	---	---	4
5	---	---	---	---	274.098	274.030	274.027	273.942	273.829	273.835	---	---	5
6	---	---	---	---	274.088	274.034	274.024	273.936	273.835	273.832	---	---	6
7	---	---	---	---	274.088	274.070	274.027	273.936	273.832	273.829	---	---	7
8	---	---	---	---	274.085	274.081	274.027	273.933	273.829	273.832	---	---	8
9	---	---	---	---	274.088	274.058	274.021	273.924	273.826	273.835	---	---	9
10	---	---	---	---	274.091	274.055	274.018	273.924	273.823	273.832	---	---	10
11	---	---	---	---	274.088	274.055	274.015	273.927	273.823	273.848	---	---	11
12	---	---	---	---	274.088	274.049	274.009	273.924	273.823	273.880	---	---	12
13	---	---	---	---	274.091	274.043	274.006	273.921	273.836	273.851	---	---	13
14	---	---	---	---	274.088	274.040	274.003	273.915	273.845	273.845	---	---	14
15	---	---	---	---	274.088	274.037	273.994	273.909	273.848	273.848	---	---	15
16	---	---	---	---	274.085	274.034	273.988	273.912	273.845	273.899	---	---	16
17	---	---	---	---	274.088	274.043	273.994	273.906	273.851	273.881	---	---	17
18	---	---	---	---	274.085	274.034	273.997	273.902	273.845	273.881	---	---	18
19	---	---	---	274.088A	274.079	274.034	273.994	273.902	273.835	273.872	---	---	19
20	---	---	---	274.088	274.082	274.027	273.991	273.893	273.826	273.898	---	---	20
21	---	---	---	274.088	274.085	274.027	273.988	273.884	273.826	273.899	---	---	21
22	---	---	---	274.088	274.079	274.027	273.985	273.881	273.829	273.902	---	---	22
23	---	---	---	274.088	274.076	274.079	273.979	273.881	273.880	273.909	---	---	23
24	---	---	---	274.082	274.073	274.082	273.973	273.876	273.841	273.905	---	---	24
25	---	---	---	274.079	274.076	274.079A	273.973	273.872	273.841	273.908A	---	---	25
26	---	---	274.084A	274.087	274.073	274.073	273.973	273.869	273.841	---	---	---	26
27	---	---	---	274.081	274.070	274.073	273.973	273.865	273.845	---	---	---	27
28	---	---	---	274.081	274.070	274.073	273.970	273.880	273.845	---	---	---	28
29	---	---	---	274.101	274.073	274.070	273.963	273.861	273.841	---	---	---	29
30	---		---	274.101	274.064	274.064	273.960	273.838	273.838	---	---	---	30
31	---		---		274.055		273.957	273.829		---		---	31
MEAN	---	---	---	---	274.084	274.052	274.000	273.904	273.835	---	---	---	MEAN
MAX	---	---	---	---	274.101	274.082	274.085	273.957	273.880	---	---	---	MAX
MIN	---	---	---	---	274.055	274.027	273.957	273.829	273.823	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 58 59 N
LONG 97 46 11 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

OVERFLOWING RIVER AT OVERFLOWING RIVER - STATION NO 05LB001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.107B	2.488	45.0	55.7	21.3	1.37	0.284	0.911	---	---	1
2	---	---	0.107B	4.518	48.3	54.7	19.0	1.25	0.253	0.940	---	---	2
3	---	---	0.110B	8.778	50.8	53.7	16.7	1.13	0.256	0.948	---	---	3
4	---	---	0.122B	16.38	51.7	52.0	14.7	1.05	0.268	0.981	---	---	4
5	---	---	0.122B	21.78	51.8	50.4	13.1	0.995	0.287	1.11	---	---	5
6	---	---	0.122B	26.68	51.3	48.7	12.1	1.17	0.268	1.28	---	---	6
7	---	---	0.116B	33.98	50.3	50.3	11.7	1.28	0.336	1.31	---	---	7
8	---	---	0.084B	32.28	48.3	53.5	11.0	1.19	0.384	1.26	---	---	8
9	---	---	0.070B	30.68	46.1	54.4	10.4	1.04	0.434	1.30	---	---	9
10	---	---	0.070B	29.28	47.1	54.2	9.37	0.938	0.438	1.28	---	---	10
11	---	---	0.048B	30.38	48.5	53.0	8.28	0.884	0.414	1.23	---	---	11
12	---	---	0.044B	32.2	50.5	51.0	7.05	0.823	0.395	1.24	---	---	12
13	---	---	0.037B	33.8	50.5	48.5	8.55	0.782	0.403	1.25	---	---	13
14	---	---	0.030B	35.0	49.1	45.8	8.45	0.728	0.442	1.20	---	---	14
15	---	---	0.024B	35.1	47.2	43.0	8.46	0.688	0.432	1.21	---	---	15
16	---	---	0.021B	34.8	45.5	41.4	8.26	0.678	0.417	2.38	---	---	16
17	---	---	0.017B	34.7	47.2	40.0	8.85	0.628	0.408	4.25	---	---	17
18	---	---	C.017B	34.8	50.4	38.5	8.81	0.603	0.413	5.13	---	---	18
19	---	---	0.017B	34.4	51.5	37.2	8.17	0.585	0.413	5.88	---	---	19
20	---	---	0.014B	34.0	53.8	36.5	4.80	0.537	0.411	6.30	---	---	20
21	---	---	0.012B	33.8	58.7	37.8	4.30	0.521	0.402	6.53	---	---	21
22	---	---	0.014B	32.8	61.4	38.4	3.98	0.480	0.502A	6.45	---	---	22
23	---	---	0.021B	32.1	61.8	38.8	3.54	0.424	0.884	6.94	---	---	23
24	---	---	0.026B	31.5	62.8	37.7	3.12	0.413	0.702	6.97	---	---	24
25	---	---	0.031B	34.4	63.0	36.8	2.85	0.405	0.742	6.84 B	---	---	25
26	---	---	0.050B	38.5	62.6	33.5	2.59	0.378	0.784	6.63	---	---	26
27	---	---	0.130B	41.2	61.8	30.6	2.41	0.385	0.877	6.03	---	---	27
28	---	---	0.805B	42.2	60.7	28.2	2.18	0.378	0.907	5.33 B	---	---	28
29	---	---	1.23 B	41.1	59.4	25.8	1.89	0.338	0.882	5.95 B	---	---	29
30	---		1.85 B	42.3	58.5	23.6	1.89	0.315	0.887	7.13 B	---	---	30
31	---		2.36 B		57.2		1.62	0.310		7.36 B		---	31
TOTAL	---	---	7.480	818.06	1 654.3	1 284.8	232.01	22.875	14.737	115.941	---	---	TOTAL
MEAN	---	---	0.241	30.5	53.4	43.2	7.48	0.731	0.491	3.74	---	---	MEAN
MAX	---	---	2.36	42.3	63.0	58.7	21.3	1.37	0.907	7.36	---	---	MAX
MIN	---	---	0.012	2.48	45.0	23.6	1.62	0.310	0.253	0.911	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 17.4
MAXIMUM DAILY, 63.0 ON MAY 26
MINIMUM DAILY, 0.0120 ON MAR 21
MAXIMUM INSTANTANEOUS,
63.7 AT 16:50 CST ON MAY 24

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 09 15 N
LONG 101 05 30 W
DRAINAGE AREA, 3 550 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	20 000
FEB	---	AUG	1 980
MAR	845	SEP	1 270
APR	78 100	OCT	10 000
MAY	143 000	NOV	---
JUN	112 000	DEC	---

TOTAL DISCHARGE, 368 000 dam³

OXFORD LAKE AT OXFORD HOUSE - STATION NO. 04AA002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187.413	187.382	187.347	187.282	187.330	---	---	---	---	---	---	---	1
2	187.417	187.384	187.337	187.288	187.353	---	---	---	---	---	---	---	2
3	187.420	187.378	187.341	187.284	187.347	---	---	---	---	---	---	---	3
4	187.426	187.390	187.333	187.287	187.340	---	---	---	---	---	---	---	4
5	187.430	187.384	187.326	187.273	187.348	---	---	---	---	---	---	---	5
6	187.426	187.384	187.323	187.274	187.388	---	---	---	---	---	---	---	6
7	187.421	187.374	187.335	187.278	187.388	---	---	---	---	---	---	---	7
8	187.424	187.377	187.325	187.269	187.389	---	---	---	---	---	---	---	8
9	187.426	187.383	187.312	187.268	187.373	---	---	---	---	---	---	---	9
10	187.418	187.378	187.322	187.259	187.381	---	---	---	---	---	---	---	10
11	187.418	187.378	187.313	187.263	187.382	---	---	---	---	---	---	---	11
12	187.418	187.371	187.322	187.263	187.378	---	---	---	---	---	---	---	12
13	187.418	187.374	187.318	187.271	187.388	---	---	---	---	---	---	---	13
14	187.423	187.388	187.314	187.271	187.411	---	---	---	---	---	---	---	14
15	187.417	187.378	187.320	187.284	187.408	---	---	---	---	---	---	---	15
16	187.415	187.388	187.307	187.274	187.410	---	---	---	---	---	---	---	16
17	187.423	187.380	187.316	187.278	187.407	---	---	---	---	---	---	---	17
18	187.408	187.378	187.312	187.278	187.418	---	---	---	---	---	---	---	18
19	187.402	187.371	187.311	187.277	187.414	---	---	---	---	---	---	---	19
20	187.378	187.378	187.317	187.281	187.418	---	---	---	---	---	---	---	20
21	187.388	187.384	187.322	187.282	187.428	---	---	---	---	---	---	---	21
22	187.390	187.384	187.318	187.288	187.438	---	---	---	---	---	---	---	22
23	187.377	187.388	187.313	187.289	187.451	---	---	---	---	---	---	---	23
24	187.384	187.384	187.308	187.288	187.458	---	---	---	---	---	---	---	24
25	187.381	187.348	187.304	187.294	187.470	---	---	---	---	---	---	---	25
26	187.388	187.352	187.294	187.297	187.471	---	---	---	---	---	---	---	26
27	187.380	187.348	187.307	187.294	187.478	---	---	---	---	---	---	---	27
28	187.382	187.345	187.288	187.310	187.473	---	---	---	---	---	---	---	28
29	187.397	187.338	187.297	187.338	187.473	---	---	---	---	---	---	---	29
30	187.388		187.290	187.337	187.471A	---	---	---	---	---	---	---	30
31	187.381		187.294		187.471B		---	---		---		---	31
MEAN	187.407	187.370	187.316	187.284	187.410	---	---	---	---	---	---	---	MEAN
MAX	187.430	187.394	187.347	187.338	187.478	---	---	---	---	---	---	---	MAX
MIN	187.378	187.338	187.290	187.259	187.338	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 57 10 N
LONG 95 15 00 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM
APPLY -183.589 m ADJUSTMENT TO CONVERT TO ASSUMED DATUM

OXTAIL CREEK NEAR CYPRESS RIVER - STATION NO. 05MH012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.085	0.053	0.048	0	0	0	0	---	---	1
2	---	---	0 B	0.051	0.138	0.048	0	0	0	0	---	---	2
3	---	---	0 B	0.022	0.188	0.027	0	0	0	0	---	---	3
4	---	---	0 B	0.032	0.320	0.011	0	0	0	0	---	---	4
5	---	---	0 B	0.032	0.262	0.005	0	0	0	0	---	---	5
6	---	---	0 B	0.024	0.258	0.001	0	0	0	0	---	---	6
7	---	---	0 B	0.005	0.238	0.058	0	0	0	0	---	---	7
8	---	---	0 B	0.007	0.214	0.170	0	0	0	0	---	---	8
9	---	---	0 B	0.040	0.232	0.155	0	0	0	0	---	---	9
10	---	---	0 B	0.035	0.191	0.130	0	0	0	0	---	---	10
11	---	---	0 B	0.075	0.163	0.080	0	0	0	0	---	---	11
12	---	---	0 B	0.178	0.144	0.137	0	0	0	0	---	---	12
13	---	---	0 B	0.163	0.136	0.192	0.181	0	0	0	---	---	13
14	---	---	0 B	0.176	0.137	0.188	0.232	0	0	0	---	---	14
15	---	---	0 B	0.181	0.155	0.190	0.090	0	0	0	---	---	15
16	---	---	0 B	0.145	0.157	0.178	0.014	0	0	0	---	---	16
17	---	---	0 B	0.120	0.132	0.141	0	0	0	0	---	---	17
18	---	---	0 B	0.120	0.180	0.093	0	0	0	0	---	---	18
19	---	---	0 B	0.141	0.127	0.040	0	0	0	0	---	---	19
20	---	---	0.0088	0.111	0.113	0.007	0	0	0	0	---	---	20
21	---	---	0.048B	0.081	0.124	0.038	0	0	0	0	---	---	21
22	---	---	0.038B	0.096	0.103	0.081	0	0	0	0.001	---	---	22
23	---	---	0.104B	0.083	0.084	0.028	0	0	0	0.001	---	---	23
24	---	---	0.358B	0.078	0.084	0.001	0	0	0	0.001	---	---	24
25	---	---	0.784B	0.058	0.088	0	0	0	0	0.002	---	---	25
26	---	---	0.548A	0.081	0.078	0	0	0	0	0.003B	---	---	26
27	---	---	0.401A	0.081	0.085	0	0	0	0	0.004B	---	---	27
28	---	---	0.227A	0.012	0.078	0	0	0	0	0.003B	---	---	28
29	---	---	0.165	0.004	0.087	0	0	0	0	0.001B	---	---	29
30	---	---	0.084	0.018	0.085	0	0	0	0	0 B	---	---	30
31	---		0.088		0.047		0	0		0 B		---	31
TOTAL	---	---	2.848	2.343	4.486	2.048	0.517	0	0	0.018	---	---	TOTAL
MEAN	---	---	0.085	0.078	0.144	0.068	0.017	0	0	0.001	---	---	MEAN
MAX	---	---	0.784	0.181	0.320	0.199	0.232	0	0	0.004	---	---	MAX
MIN	---	---	0	0.004	0.047	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.050
MAXIMUM DAILY, 0.784B ON MAR 25
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 28 40 N
LONG 99 05 20 W
DRAINAGE AREA, 435 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	44.7
FEB	---	AUG	0
MAR	285	SEP	0
APR	202	OCT	1.36
MAY	386	NOV	---
JUN	177	DEC	---

TOTAL DISCHARGE, 1 070 dam³

PANSY DRAIN NEAR SARTO - STATION NO. 05BE014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 025B	0 010	0	---	---	---	---	---	---	1
2	---	---	0 B	0 017B	0 008	0	---	---	---	---	---	---	2
3	---	---	0 B	0 013B	0 007	0	---	---	---	---	---	---	3
4	---	---	0 B	0 010	0 008	0	---	---	---	---	---	---	4
5	---	---	0 B	0 009	0 005	0	---	---	---	---	---	---	5
6	---	---	0 B	0 008	0 004	0 001	---	---	---	---	---	---	6
7	---	---	0 B	0 007	0 003	0 003	---	---	---	---	---	---	7
8	---	---	0 B	0 007	0 003	0 014	---	---	---	---	---	---	8
9	---	---	0 B	0 007	0 002	0 048	---	---	---	---	---	---	9
10	---	---	0 B	0 007	0 002	0 039	---	---	---	---	---	---	10
11	---	---	0 B	0 008	0 002	0 053	---	---	---	---	---	---	11
12	---	---	0 B	0 013	0 002	0 088	---	---	---	---	---	---	12
13	---	---	0 B	0 018	0 003	0 082	---	---	---	---	---	---	13
14	---	---	0 B	0 018	0 002	0 053	---	---	---	---	---	---	14
15	---	---	0 B	0 017	0 002	0 043	---	---	---	---	---	---	15
16	---	---	0 B	0 014	0 002	0 035	---	---	---	---	---	---	16
17	---	---	0 B	0 012	0 002	0 043	---	---	---	---	---	---	17
18	---	---	0 B	0 010	0 002	0 080	---	---	---	---	---	---	18
19	---	---	0 B	0 008	0 002	0 057	---	---	---	---	---	---	19
20	---	---	0 B	0 007	0 002	0 035	---	---	---	---	---	---	20
21	---	---	0 B	0 006	0 004	0 028	---	---	---	---	---	---	21
22	---	---	0 0028	0 006	0 002	0 025	---	---	---	---	---	---	22
23	---	---	0 0128	0 003	0 002	0 020	---	---	---	---	---	---	23
24	---	---	0 0478	0 003	0 002	0 015	---	---	---	---	---	---	24
25	---	---	0 1868	0 002	0 002	0 009	---	---	---	---	---	---	25
26	---	---	1 06 B	0 004	0 002	0 015	---	---	---	---	---	---	26
27	---	---	0 6138	0 010	0 001	0 024	---	---	---	---	---	---	27
28	---	---	0 1978	0 013	0 001	0 017	---	---	---	---	---	---	28
29	---	---	0 1028	0 012	0 001	0 010	---	---	---	---	---	---	29
30	---		0 0618	0 012	0	0 007	---	---	---	---	---	---	30
31	---		0 0368		0		---	---		---		---	31
TOTAL	---	---	2 308	0 307	0 088	0 855	---	---	---	---	---	---	TOTAL
MEAN	---	---	0 074	0 010	0 003	0 029	---	---	---	---	---	---	MEAN
MAX	---	---	1 06	0 035	0 010	0 088	---	---	---	---	---	---	MAX
MIN	---	---	0	0 002	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 029
MAXIMUM DAILY, 1 06B ON MAR 26
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 05 N
LONG 98 43 53 W
DRAINAGE AREA, 38 9 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	199	SEP	---
APR	26 6	OCT	---
MAY	7 60	NOV	---
JUN	73 9	DEC	---

TOTAL DISCHARGE, 307 dam³

PARTRIDGE CREEK NEAR ST MARTIN - STATION NO 05LM002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	244 808	243 700E	243 906	244 575	---	---	---	---	---	1
2	---	---	---	244 684	243 690A	243 902	244 587	---	---	---	---	---	2
3	---	---	---	244 658	243 755	243 883	244 584	---	---	---	---	---	3
4	---	---	---	244 638	243 884	243 875	244 585	---	---	---	---	---	4
5	---	---	---	244 637	243 845	243 868	244 526	---	---	---	---	---	5
6	---	---	---	244 658	243 782	243 863	244 501	---	---	---	---	---	6
7	---	---	---	244 601	243 776	243 911	244 535	---	---	---	---	---	7
8	---	---	---	244 691	243 774	243 869	244 560	---	---	---	---	---	8
9	---	---	---	244 667	243 806	243 832	---	---	---	---	---	---	9
10	---	---	---	244 395	243 823	243 918	---	---	---	---	---	---	10
11	---	---	---	244 380	243 784	243 878	---	---	---	---	---	---	11
12	---	---	---	244 338A	243 820	243 838	---	---	---	---	---	---	12
13	---	---	---	---	243 821	243 831	---	---	---	---	---	---	13
14	---	---	---	---	243 832	243 861	---	---	---	---	---	---	14
15	---	---	---	---	243 863	243 886	---	---	---	---	---	---	15
16	---	---	---	---	243 919	243 890	---	---	---	---	---	---	16
17	---	---	---	---	243 886	243 900	---	---	---	---	---	---	17
18	---	---	---	---	243 939	243 882	---	---	---	---	---	---	18
19	---	---	---	---	243 886	243 903	---	---	---	---	---	---	19
20	---	---	---	---	243 886	243 919	---	---	---	---	---	---	20
21	---	---	---	---	243 905	243 927	---	---	---	---	---	---	21
22	---	---	---	---	243 849	243 935	---	---	---	---	---	---	22
23	---	---	---	---	243.841	243 940	---	---	---	---	---	---	23
24	---	---	---	---	243.831	244.171	---	---	---	---	---	---	24
25	---	---	---	---	243.855	244.368	---	---	---	---	---	---	25
26	---	---	---	---	243 857	244 395	---	---	---	---	---	---	26
27	---	---	244 848A	---	243 884	244.438	---	---	---	---	---	---	27
28	---	---	244.826	---	243 888	244.483	---	---	---	---	---	---	28
29	---	---	244.839	---	243 923	244 501	---	---	---	---	---	---	29
30	---		244.678	---	243.919	244.545	---	---	---	---	---	---	30
31	---		244.822		243.888		---	---		---		---	31
MEAN	---	---	---	---	243 846	244 005	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	243.888	244.545	---	---	---	---	---	---	MAX
MIN	---	---	---	---	243.690	243.831	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 42 30 N
LONG 98 39 30 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA, 104 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PELICAN CREEK NEAR BIRNIE - STATION NO. 05LL027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0278	0.0188	0.012	0.028	0.010	0	0	---	---	1
2	---	---	0 B	0.0188	0.0248	0.012	0.025	0.007	0	0	---	---	2
3	---	---	0 B	0.0128	0.0288	0.011	0.022	0.004	0	0	---	---	3
4	---	---	0 B	0.010	0.0288	0.011	0.018	0.002	0	0	---	---	4
5	---	---	0 B	0.010	0.0338	0.010	0.017	0.001	0	0	---	---	5
6	---	---	0 B	0.014	0.034	0.013	0.018	0.001	0	0	---	---	6
7	---	---	0 B	0.014	0.032	0.016	0.015	0.001	0	0	---	---	7
8	---	---	0 B	0.015	0.028	0.017	0.014	0.001	0	0	---	---	8
9	---	---	0 B	0.017	0.025	0.018	0.013	0.001	0	0	---	---	9
10	---	---	0 B	0.021	0.028	0.015	0.012	0	0	0	---	---	10
11	---	---	0 B	0.027	0.028	0.014	0.011	0	0	0	---	---	11
12	---	---	0 B	0.077	0.027	0.013	0.010	0	0	0	---	---	12
13	---	---	0 B	0.081	0.027	0.012	0.013	0	0	0	---	---	13
14	---	---	0 B	0.035	0.025	0.012	0.013	0	0	0	---	---	14
15	---	---	0 B	0.027	0.024	0.011	0.010	0	0	0.001	---	---	15
16	---	---	0 B	0.024	0.024	0.010	0.008	0	0	0.037	---	---	16
17	---	---	0 B	0.022	0.022	0.011	0.008	0	0	0.042	---	---	17
18	---	---	0 B	0.021	0.018	0.010	0.007	0	0	0.031	---	---	18
19	---	---	0 B	0.019	0.017	0.008	0.007	0	0	0.036	---	---	19
20	---	---	0 B	0.018	0.017	0.008	0.007	0	0	0.095	---	---	20
21	---	---	0 B	0.017	0.017	0.008	0.008	0	0	0.088	---	---	21
22	---	---	0 B	0.017	0.015	0.074	0.008	0	0	0.048	---	---	22
23	---	---	0 B	0.018	0.016	0.283	0.005	0	0	0.040	---	---	23
24	---	---	0 0.018	0.017	0.016	0.127	0.004	0	0	0.038	---	---	24
25	---	---	0 0.018	0.016	0.016	0.068	0.004	0	0	0.032	---	---	25
26	---	---	0 0.088	0.016	0.015	0.070	0.004	0	0	0.028	---	---	26
27	---	---	0 0.078	0.016	0.015	0.058	0.003	0	0	0.0258	---	---	27
28	---	---	0 0.028	0.178	0.014	0.048	0.002	0	0	0.0238	---	---	28
29	---	---	0 0.088	0.0218	0.014	0.038	0.001	0	0	0.0188	---	---	29
30	---		0 0.318	0.0138	0.013	0.032	0.002	0	0	0.0188	---	---	30
31	---		0 0.278		0.013		0.007	0		0.0158		---	31
TOTAL	---	---	0.083	0.885	0.873	1.084	0.318	0.035	0	0.592	---	---	TOTAL
MEAN	---	---	0.003	0.022	0.022	0.035	0.010	0.001	0	0.018	---	---	MEAN
MAX	---	---	0.031	0.077	0.034	0.283	0.029	0.010	0	0.095	---	---	MAX
MIN	---	---	0	0.010	0.013	0.008	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.014
MAXIMUM DAILY, 0.283 ON JUN 23
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.745 AT 22 33 CST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 38 35 N
LONG 98 35 05 W
DRAINAGE AREA, 9.07 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	27.8
FEB	---	AUG	2.62
MAR	7.17	SEP	0
APR	57.5	OCT	51.1
MAY	56.1	NOV	---
JUN	93.7	DEC	---

TOTAL DISCHARGE, 296 dam³

PELICAN LAKE NEAR NINETTE - STATION NO. 05DA802

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	411.080	410.995	410.971E	410.795	410.885	410.835E	410.721	---	1
2	---	---	---	---	411.083	410.995	410.985	410.795	410.885	410.838E	---	---	2
3	---	---	---	---	411.087	410.995	410.956	410.795	410.885	410.842	---	---	3
4	410.975	---	---	410.955	411.085	410.995	410.956	410.795	410.885	410.842E	---	---	4
5	---	---	---	---	411.085	410.995	410.956	410.795	410.885	410.842E	---	---	5
6	---	---	---	---	411.085	410.995	410.956	410.795	410.885E	410.842	---	---	6
7	---	---	410.986	---	411.084	410.995	410.956E	410.791E	410.885	410.842	---	---	7
8	---	410.985	---	---	411.084	410.995	410.956	410.785	410.885	410.842	---	---	8
9	---	---	---	---	411.083	410.995	410.948	410.785	410.885E	410.842	---	---	9
10	---	---	---	---	411.083	410.995	410.948	410.785	410.895	410.842	---	---	10
11	---	---	---	---	411.082	410.995	410.948	410.785	410.885	410.842	---	410.785	11
12	---	---	---	---	411.085E	410.995	410.948	---	410.895	410.842	---	---	12
13	---	---	---	---	411.081	411.001	410.921E	---	410.875	410.837	---	---	13
14	---	---	---	---	411.080	411.005	410.895	---	410.855	410.852	410.715	---	14
15	---	---	---	---	411.085E	411.005	410.845	---	410.835	410.877E	---	---	15
16	---	---	---	---	411.045E	411.005	410.885	---	410.885	410.882	---	---	16
17	---	---	---	---	411.045E	411.005	410.885	---	410.885E	410.702	---	---	17
18	410.986	---	---	---	411.035	411.005	410.885	---	410.885	410.887	---	---	18
19	---	---	---	---	411.057	411.005	410.885	---	410.885	410.703E	---	410.781	19
20	---	---	---	---	411.035	411.005	410.885E	---	410.885E	410.710E	---	---	20
21	---	---	410.985	---	411.035	411.005E	410.885	---	410.885	410.717	---	---	21
22	---	410.985	---	---	410.995	411.005	410.875	410.740	410.885	410.717	---	---	22
23	---	---	---	---	411.035	410.955	410.885	410.735	410.885	410.717	---	---	23
24	---	---	---	---	411.055	410.955E	410.855E	410.735	410.845	410.722E	---	---	24
25	---	---	---	411.002	411.035	410.982E	410.845	410.735	410.832	410.727E	---	---	25
26	---	---	---	411.001	411.035	410.985	410.845	410.725	410.872	410.732	---	---	26
27	---	---	---	---	411.035	410.985	410.838	410.725	410.872	410.717	---	---	27
28	---	---	---	---	411.027E	410.985	410.838	410.725	410.832	410.863	---	---	28
29	---	---	---	---	411.019E	410.961E	410.795	410.708E	410.832	---	410.755	---	29
30	---		---	---	411.011E	410.975E	410.795	410.685E	410.832	---	---	---	30
31	---		---		411.003E		410.795	410.685		---		---	31
MEAN	---	---	---	---	411.065	410.994	410.885	---	410.859	---	---	---	MEAN
MAX	---	---	---	---	411.087	411.005	410.971	---	410.895	---	---	---	MAX
MIN	---	---	---	---	410.995	410.955	410.795	---	410.832	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 24 00 N
LONG 98 38 20 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

DRAINAGE AREA,
481 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PEMBINA RIVER ABOVE LORNE LAKE - STATION NO 05DA010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.20 B	0.315	0.093	0.018	0.005	0	0	---	---	1
2	---	---	0 B	1.04 B	0.320	0.124A	0.017	0.005	0	0	---	---	2
3	---	---	0 B	0.7788	0.481	0.102E	0.016	0.006	0	0	---	---	3
4	---	---	0 B	0.875	1.14	0.090E	0.014	0.005	0	0	---	---	4
5	---	---	0 B	0.738	1.81	0.078E	0.013	0.005	0	0	---	---	5
6	---	---	0 B	0.594	2.48	0.104E	0.013	0.005	0	0	---	---	6
7	---	---	0 B	0.505	2.29	0.085E	0.013	0.005	0	0	---	---	7
8	---	---	0 B	0.414	1.94	0.085E	0.015	0.005	0	0	---	---	8
9	---	---	0 B	0.347	1.78	0.060E	0.012	0.005	0	0	---	---	9
10	---	---	0 B	0.310	1.64	0.078E	0.011	0.006	0	0	---	---	10
11	---	---	0 B	0.332	1.48	0.072E	0.010	0.004	0	0	---	---	11
12	---	---	0 B	0.481	1.20	0.068E	0.011	0.004	0 0.001	0	---	---	12
13	---	---	0 B	0.574	0.884	0.084A	0.011	0.003	0	0	---	---	13
14	---	---	0 B	0.971	0.781	0.090	0.011	0.003	0	0	---	---	14
15	---	---	0 B	1.37	0.673	0.081	0.011	0.002	0	0	---	---	15
16	---	---	0 B	1.35	0.615	0.058	0.010	0.002	0	0	---	---	16
17	---	---	0.0038	1.11	0.498	0.058	0.010	0.001	0	0	---	---	17
18	---	---	0.0078	0.885	0.443	0.046	0.010	0.001	0	0	---	---	18
19	---	---	0.0238	0.618	0.392	0.033	0.010	0.001	0	0	---	---	19
20	---	---	0.0888	0.487	0.354	0.032	0.010	0.001	0	0	---	---	20
21	---	---	0.1898	0.369	0.369	0.034	0.009	0.001	0	0	---	---	21
22	---	---	0.4818	0.330	0.291	0.029	0.009	0.001	0	0	---	---	22
23	---	---	0.9448	0.288	0.247	0.025	0.008	0	0	0	---	---	23
24	---	---	1.85 B	0.235	0.230	0.022	0.008	0	0	0	---	---	24
25	---	---	3.20 B	0.187	0.205	0.019	0.008	0	0	0	---	---	25
26	---	---	2.90 B	0.178	0.178	0.026	0.009	0	0	0	---	---	26
27	---	---	2.26 B	1.06 B	0.148	0.026	0.007	0	0	0	---	---	27
28	---	---	1.85 B	1.77 B	0.137	0.027	0.007	0	0	0	---	---	28
29	---	---	0.9038	0.6078	0.128	0.024	0.007	0	0	0	---	---	29
30	---	---	0.7188	0.374	0.109	0.022	0.007	0	0	0 B	---	---	30
31	---	---	1.08 B		0.105		0.007	0		0 B	---	---	31
TOTAL	---	---	15.981	20.238	23.634	1.726	0.335	0.078	0.001	0.029	---	---	TOTAL
MEAN	---	---	0.515	0.675	0.762	0.058	0.011	0.002	0	0.001	---	---	MEAN
MAX	---	---	3.20	1.77	2.48	0.124	0.018	0.006	0.001	0.004	---	---	MAX
MIN	---	---	0	0.178	0.105	0.019	0.007	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.253
MAXIMUM DAILY, 3.20B ON MAR 25
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 50 N
LONG 99 27 44 W
DRAINAGE AREA, 344 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	29 9
FEB	---	AUG	6 57
MAR	1 380	SEP	0 09
APR	1 780	OCT	2 51
MAY	2 040	NOV	---
JUN	149	DEC	---

TOTAL DISCHARGE, 5 380 dam³

PEMBINA RIVER AT NECHE - STATION NO. 05DC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0168	0B	0 B	5.31	4.87	4.18	1.87	0.340	0.082	0.082	0.122	0.1448	1
2	0.0178	0B	0 B	5.72	5.15	4.11	1.81	0.311	0.085	0.086	0.118	0.1228	2
3	0.0208	0B	0 B	7.05	4.98	3.85	1.67	0.280	0.089	0.082	0.0748	0.1228	3
4	0.0208	0B	0 B	6.31	4.84	3.94	1.53	0.261	0.088	0.082	0.0918	0.1228	4
5	0.0278	0B	0 B	6.37	4.38	3.40	1.39	0.249	0.088	0.071	0.0828	0.1138	5
6	0.0288	0B	0 B	5.57	4.18	3.40	1.18	0.238	0.085	0.085	0.1228	0.0988	6
7	0.0348	0B	0 B	5.81	3.85	3.48	1.18	0.241	0.093	0.086	0.1338	0.0988	7
8	0.0458	0B	0 B	5.80	3.94	3.74	1.18	0.261	0.071	0.108	0.1538	0.1088	8
9	0.0408	0B	0 B	4.84	4.18	3.82	1.28	0.280	0.054	0.091	0.1788	0.1228	9
10	0.0348	0B	0 B	3.77	4.56	4.47	1.25	0.272	0.054	0.126	0.1788	0.1058	10
11	0.0288	0B	0 B	3.43	4.78	4.38	1.18	0.262	0.054	0.133	0.1618	0.0938	11
12	0.0248	0B	0 B	3.40	4.88	3.88	1.13	0.241	0.071	0.170	0.1308	0.0828	12
13	0.0238	0B	0 B	3.40	4.88	3.57	1.08	0.227	0.118	0.133	0.1228	0.0858	13
14	0.0228	0B	0 B	3.77	4.88	3.44	1.08	0.210	0.098	0.181	0.1278	0.0828	14
15	0.0198	0B	0 B	3.51	4.85	3.14	0.991	0.178	0.093	0.210	0.1708	0.0828	15
16	0.0118	0B	0 B	3.28	4.85	5.83	0.908	0.178	0.093	0.311	0.1788	0.0888	16
17	0.0108	0B	0 B	3.06	4.84	5.32	0.908	0.187	0.093	0.388	0.1678	0.0898	17
18	0.0068	0B	0 B	2.75	4.84	5.74	0.850	0.142	0.110	0.269	0.1588	0.0548	18
19	0.0078	0B	0 B	2.75	4.47	5.61	0.708	0.139	0.093	0.340	0.1088	0.0488	19
20	0.0078	0B	0 B	2.80	4.38	4.58	0.681	0.181	0.082	0.425	0.0748	0.0458	20
21	0.0088	0B	0 B	2.86	4.38	3.74	0.681	0.210	0.085	0.425	0.0828	0.0458	21
22	0.0088	0B	0.001	2.86	4.38	3.40	0.623	0.156	0.081	0.425	0.0628	0.0428	22
23	0.0088	0B	0.003	2.89	4.38	3.17	0.538	0.136	0.022	0.386	0.0628	0.0378	23
24	0.0048	0B	0.127	2.84	4.84	2.87	0.510	0.133	0.008	0.340	0.0628	0.0178	24
25	0.0048	0B	0.425	3.17	4.84	2.75	0.453	0.138	0.008	0.311	0.0988	0.0118	25
26	0.0038	0B	0.808	3.14	4.84	2.58	0.425	0.147	0.008	0.252	0.1388	0.0108	26
27	0.0018	0B	1.83	3.34	4.84	2.44	0.425	0.144	0.011	0.311	0.1588	0.0088	27
28	0 B	0B	5.15	3.82	4.84	2.44	0.398	0.144	0.028	0.158	0.1588	0.0078	28
29	0 B	0	4.78	5.18	4.73	2.35	0.340	0.118	0.042	0.122	0.1588	0.0068	29
30	0 B		4.87	4.90	4.84	2.04	0.398	0.088	0.057	0.122	0.1588	0.0068	30
31	0 B		4.80		4.58		0.340	0.085		0.122		0.0068	31
TOTAL	0.468	0	22.802	126.80	143.88	117.60	28.901	6.134	1.957	6.362	3.781	1.986	TOTAL
MEAN	0.015	0	0.735	4.19	4.64	3.92	0.932	0.198	0.065	0.205	0.126	0.064	MEAN
MAX	0.045	0	5.15	7.05	5.15	5.74	1.87	0.340	0.110	0.425	0.178	0.144	MAX
MIN	0	0	0	2.75	3.85	2.04	0.340	0.085	0.008	0.082	0.082	0.008	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.28
MAXIMUM DAILY, 7.05 ON APR 3
MINIMUM DAILY, 0B ON JAN 28
MAXIMUM INSTANTANEOUS,
8.83 AT 15:00 CST ON APR 7

SUMMARY FOR THE YEAR 1984

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 20 N
LONG 97 33 05 W
DRAINAGE AREA, 8 470 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	40 4	JUL	2 500
FEB	0	AUG	530
MAR	1 840	SEP	189
APR	10 800	OCT	648
MAY	12 400	NOV	327
JUN	10 200	DEC	172

TOTAL DISCHARGE, 39 700 dam³

PEMBINA RIVER BELOW CRYSTAL CREEK - STATION NO. 05OB023

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0048	0.0089	0.0048	0.9008	1.64	2.30	0.132	0.027	0.001	0.003	0.0058	0.0148	1
2	0.0048	0.0089	0.0048	1.05 B	1.50	2.37	0.128	0.034	0.002	0.003	0.0058	0.0118	2
3	0.0048	0.0058	0.0048	1.09 B	1.58	2.33	0.134	0.027	0.003	0.003	0.0078	0.0108	3
4	0.0048	0.0058	0.0048	1.08 B	1.71	2.00	0.097	0.028	0.003	0.002	0.0118	0.0118	4
5	0.0048	0.0048	0.0058	1.07	1.75	1.87	0.078	0.032	0.002	0.003	0.0108	0.0138	5
6	0.0048	0.0048	0.0068	1.06	1.88	1.90	0.059	0.026	0.002	0.003	0.0088	0.0088	6
7	0.0048	0.0048	0.0088	1.06	2.08	2.04	0.068	0.047	0.003	0.002	0.0098	0.0108	7
8	0.00 B	0.0058	0.0078	1.09	2.05	1.97	0.075	0.052	0.003	0.002	0.0088	0.0178	8
9	0.004L	0.0068	0.0078	1.08	2.03	1.91	0.049	0.034	0.002	0.001	0.0078	0.0188	9
10	0.0048	0.0108	0.0068	1.10	2.28	1.82	0.051	0.019	0.004	0.002	0.0078	0.0178	10
11	0.0038	0.0178	0.0078	1.17	2.91	1.78	0.058	0.020	0.003	0.004	0.0078	0.0188	11
12	0.0038	0.0188	0.0088	1.41	2.73	1.78	0.047	0.018	0.007	0.004	0.0088	0.0188	12
13	0.0038	0.0188	0.0088	1.53	2.82	1.78	0.048	0.022	0.003	0.003	0.0088	0.0138	13
14	0.0038	0.0188	0.0088	1.49	2.73	1.83	0.030	0.015	0.002	0.004	0.0118	0.0138	14
15	0.0038	0.0218	0.0088	1.41	2.82	1.41	0.045	0.005	0.001	0.008	0.0108	0.0148	15
16	0.0038	0.0208	0.0088	1.40	2.47	1.39	0.028	0.005	0.001	0.013	0.0088	0.0178	16
17	0.0038	0.0128	0.0088	1.43	2.78	0.841	0.032	0.011	0.001	0.006	0.0088	0.0188	17
18	0.0038	0.0088	0.0068	1.46	3.11	0.881	0.035	0.008	0.002	0.004	0.0058	0.0158	18
19	0.0038	0.0078	0.0128	1.49	2.77	0.701	0.038	0.003	0.002	0.008	0.0058	0.0128	19
20	0.0038	0.0138	0.0818	1.48	2.42	0.620	0.027	0.004	0.001	0.018	0.0058	0.0138	20
21	0.0038	0.0188	0.1868	1.49	2.44	0.576	0.024	0.004	0.001	0.005	0.0088	0.0128	21
22	0.0038	0.0178	0.1918	1.51	2.41	0.551	0.026	0.005	0.001	0.004	0.0118	0.0128	22
23	0.0038	0.0388	0.2638	1.52	2.27	0.641	0.010	0.004	0.001	0.007	0.0118	0.0128	23
24	0.0048	0.0578	0.5288	1.61	2.11	0.390	0.028	0.004	0.001	0.006	0.0108	0.0128	24
25	0.0048	0.0478	0.7738	1.66	2.14	0.240	0.023	0.004	0.001	0.007	0.0188	0.0128	25
26	0.0048	0.0288	0.7678	1.35	1.95	0.208	0.026	0.004	0.001	0.007	0.0398	0.0128	26
27	0.0048	0.0188	0.4788	1.30	1.85	0.215	0.055	0.002	0.002	0.0218	0.0178	0.0098	27
28	0.0048	0.0108	0.5558	1.64	1.79	0.179	0.034	0.001	0.002	0.0248	0.0188	0.0088	28
29	0.0048	0.0058	0.5108	1.67	1.80	0.151	0.035	0.001	0.002	0.0128	0.0158	0.0088	29
30	0.0048		0.6718	1.45	2.71	0.123	0.082	0.001	0.002	0.0088	0.0148	0.0088	30
31	0.0058		0.7868		2.13		0.029	0.001		0.0098		0.0078	31
TOTAL	0.112	0.460	5.884	40.050	69.24	36.697	1.812	0.489	0.063	0.208	0.299	0.390	TOTAL
MEAN	0.004	0.015	0.190	1.34	2.23	1.22	0.052	0.015	0.002	0.007	0.010	0.013	MEAN
MAX	0.005	0.057	0.773	1.67	3.11	2.37	0.134	0.052	0.007	0.024	0.029	0.018	MAX
MIN	0.003	0.004	0.004	0.900	1.50	0.123	0.010	0.001	0.001	0.001	0.005	0.007	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.435
MAXIMUM DAILY, 3.11 ON MAY 18
MINIMUM DAILY, 0.001 ON AUG 28
MAXIMUM INSTANTANEOUS,
3.25 AT 02:22 CST ON MAY 18

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 13 18 N
LONG 99 02 03 W
DRAINAGE AREA, 4 480 km²

B - ICE CONDITIONS

REGULATED SINCE 1940

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	9 68	JUL	139
FEB	38 0	AUG	40 5
MAR	504	SEP	5 44
APR	3 460	OCT	18 0
MAY	5 960	NOV	25 8
JUN	3 170	DEC	33 7

TOTAL DISCHARGE, 13 400 dam³

PEMBINA RIVER NEAR KILLARNEY - STATION NO. 05OA008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0038	0.4988	0.138	0.086	0.034	0	0	0	---	---	1
2	---	---	0.0038	0.4288	0.278	0.041	0.032	0	0	0	---	---	2
3	---	---	0.0038	0.2818	0.885	0.036	0.026	0	0	0	---	---	3
4	---	---	0.0038	0.2478	1.40	0.024	0.020	0	0	0	---	---	4
5	---	---	0.0038	0.1088	2.42	0.037	0.014	0	0	0	---	---	5
6	---	---	0.0018	0.026	2.12	0.042	0.009	0	0	0	---	---	6
7	---	---	0.0018	0.055	1.88	0.050	0.005	0	0	0	---	---	7
8	---	---	0.0018	0.052	1.42	0.056	0.002	0	0	0	---	---	8
9	---	---	0.0018	0.067	1.40	0.054	0	0	0	0	---	---	9
10	---	---	0.0018	0.072	1.00	0.057	0	0	0	0	---	---	10
11	---	---	0.0018	0.150	0.788	0.085	0	0	0	0	---	---	11
12	---	---	0.0018	0.435	0.567	0.088	0	0	0	0	---	---	12
13	---	---	0.0018	0.878	0.434	0.086	0	0	0	0	---	---	13
14	---	---	0.0018	1.04	0.313	0.081	0	0	0	0	---	---	14
15	---	---	0.0018	0.952	0.218	0.081	0	0	0	0	---	---	15
16	---	---	0.0018	0.813	0.148	0.085	0	0	0	0	---	---	16
17	---	---	0.0018	0.617	0.103	0.082	0	0	0	0	---	---	17
18	---	---	0.0068	0.427	0.057	0.081	0	0	0	0	---	---	18
19	---	---	0.0278	0.318	0.027	0.083	0	0	0	0	---	---	19
20	---	---	0.0898	0.226	0.041	0.048	0	0	0	0	---	---	20
21	---	---	0.5288	0.122	0.042	0.047	0	0	0	0	---	---	21
22	---	---	0.7418	0.089	0.024	0.048	0	0	0	0	---	---	22
23	---	---	1.30 B	0.037	0.015	0.048	0	0	0	0	---	---	23
24	---	---	2.04 B	0.035	0.030	0.048	0	0	0	0	---	---	24
25	---	---	1.80 B	0.019	0.032	0.046	0	0	0	0	---	---	25
26	---	---	1.43 B	0.027	0.042	0.048	0	0	0	0	---	---	26
27	---	---	0.8808	0.017	0.054	0.048	0	0	0	0	---	---	27
28	---	---	0.5288	0.005	0.091	0.047	0	0	0	0	---	---	28
29	---	---	0.5028	0.002	0.084	0.042	0	0	0	0	---	---	29
30	---		0.5098	0.087	0.139	0.035	0	0	0	0	---	---	30
31	---		0.5438		0.083		0	0		0	---	---	31
TOTAL	---	---	11.055	8.119	18.087	1.535	0.142	0	0	0	---	---	TOTAL
MEAN	---	---	0.357	0.271	0.518	0.051	0.005	0	0	0	---	---	MEAN
MAX	---	---	2.04	1.04	2.42	0.085	0.034	0	0	0	---	---	MAX
MIN	---	---	0.001	0.002	0.015	0.034	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.181
MAXIMUM DAILY, 2.42 ON MAY 5
MINIMUM DAILY, 0 ON JUL 5
MAXIMUM INSTANTANEOUS,
2.61 AT 11:35 CST ON MAY 5

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 41 N
LONG 99 44 36 W
DRAINAGE AREA, 385 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	13.3
FEB	---	AUG	0
MAR	955	SEP	0
APR	701	OCT	0
MAY	1 350	NOV	---
JUN	133	DEC	---

TOTAL DISCHARGE, 3 180 dam³

PEMBINA RIVER NEAR WINDYGATES - STATION NO. 05OD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0028	0 B	0.0088	2.100	1.98	1.93	1.07	0.052	0	0	0.0288	0.0118	1
2	0 B	0 B	0.0058	2.060	1.70	1.84	1.00	0.051	0	0	0.0258	0.0108	2
3	0 B	0 B	0.0078	3.020	1.84	1.88	1.02	0.050	0.001	0	0.0338	0.0088	3
4	0 B	0 B	0.0088	3.270	1.88	2.07	0.935	0.053	0.001	0	0.0588	0.0088	4
5	0 B	0 B	0.0048	3.690	1.73	2.25	0.814	0.052	0.001	0	0.0498	0.0088	5
6	0.0038	0 B	0.0018	3.11	1.81	2.45	0.722	0.050	0.002	0	0.0388	0.0108	6
7	0.0078	0 B	0 B	2.78	2.27	2.72	0.631	0.045	0.003	0.001	0.0268	0.0128	7
8	0.0028	0 B	0 B	2.25	2.53	2.66	0.526	0.051	0.003	0.002	0.0198	0.0148	8
9	0.0018	0 B	0 B	1.95	2.82	2.99	0.602	0.047	0.003	0.004	0.0188	0.0148	9
10	0 B	0 B	0 B	1.78	2.78	2.82	0.557	0.041	0.003	0.003	0.0188	0.0118	10
11	0 B	0 B	0 B	1.85	2.56	2.83	0.502	0.037	0.004	0.002	0.0218	0.0088	11
12	0 B	0 B	0 B	1.78	2.80	4.51	0.438	0.033	0.013	0.003	0.0248	0.0068	12
13	0 B	0 B	0 B	1.84	2.85	3.79	0.480	0.031	0.010	0.004	0.0348	0.0068	13
14	0 B	0 B	0 B	1.82	2.85	3.19	0.431	0.027	0.007	0.004	0.0258	0.0068	14
15	0 B	0 B	0 B	1.81	2.35	3.30	0.314	0.034	0.001	0.018	0.0198	0.0108	15
16	0 B	0 B	0 B	1.82	2.18	8.81	0.286	0.019	0	0.033	0.0178	0.0078	16
17	0 B	0 B	0 B	1.78	2.06	5.07	0.228	0.019	0	0.017	0.0188	0.0028	17
18	0 B	0 B	0 B	1.70	1.89	3.79	0.197	0.017	0	0.012	0.0218	0.0018	18
19	0 B	0 B	0.0058	1.62	1.81	2.86	0.183	0.014	0	0.039	0.0228	0.0038	19
20	0 B	0 B	0.0268	1.51	1.91	2.41	0.134	0.015	0	0.048	0.0228	0.0048	20
21	0 B	0.0058	0.1008	1.43	2.46	2.34	0.122	0.014	0	0.048	0.0228	0.0028	21
22	0 B	0.0198	0.2908	1.39	2.80	2.15	0.135	0.013	0	0.051	0.0198	0.0018	22
23	0 B	0.0308	0.5368	1.33	2.46	1.84	0.084	0.009	0	0.048	0.0158	0.0018	23
24	0 B	0.0208	0.3248	1.27	2.43	1.86	0.087	0.008	0	0.042	0.0128	0 B	24
25	0 B	0.0198	0.2878	1.23	2.38	1.88	0.071	0.007	0	0.038	0.0108	0 B	25
26	0 B	0.0188	0.1808	1.20	2.28	1.75	0.058	0.005	0	0.038	0.0098	0 B	26
27	0 B	0.0218	0.2568	1.35	2.28	1.67	0.052	0.004	0	0.0448	0.0118	0 B	27
28	0 B	0.0178	0.5378	1.578	2.19	1.63	0.050	0.001	0	0.0398	0.0138	0 B	28
29	0 B	0.0138	0.8218	1.858	2.08	1.32	0.053	0.001	0	0.0488	0.0138	0 B	29
30	0 B		1.18 B	2.29	2.04	1.29	0.054	0	0	0.0358	0.0128	0 B	30
31	0 B		1.77 B		1.99		0.053	0		0.0278		0 B	31
TOTAL	0.015	0.154	5.452	58.87	68.95	82.81	13.057	0.801	0.051	0.825	0.853	0.184	TOTAL
MEAN	0.001	0.008	0.206	1.96	2.21	2.75	0.388	0.026	0.002	0.020	0.022	0.005	MEAN
MAX	0.007	0.030	1.77	3.70	3.63	8.81	1.08	0.051	0.013	0.051	0.058	0.014	MAX
MIN	0	0	0	1.20	1.54	1.29	0.053	0	0	0	0.009	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.831
MAXIMUM DAILY, 8.81 ON JUN 16
MINIMUM DAILY, 0B ON JAN 2
MAXIMUM INSTANTANEOUS,
13.9 AT 02:31 CST ON JUN 16

SUMMARY FOR THE YEAR 1984

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 53 N
LONG 98 15 40 W
DRAINAGE AREA, 7 510 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 39	JUL	1 040
FEB	13 3	AUG	99 2
MAR	697	SEP	4 41
APR	5 080	OCT	54 0
MAY	6 920	NOV	55 4
JUN	7 130	DEC	16 2

TOTAL DISCHARGE, 19 900 dam³

PIGEON RIVER AT OUTLET OF ROUND LAKE - STATION NO. 05RD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	25.78	26.68	27.48	25.48	42.7	80.0	150	135	83.8	61.2	82.1	80.78	1
2	25.88	26.98	27.18	25.78	44.1	81.8	150	133	83.5	60.0	61.0	81.18	2
3	26.28	26.78	27.18	26.18	45.0	83.7	149	131	81.3	58.5	80.88	81.88	3
4	26.38	26.18	26.98	26.78	47.3	85.8	148	129	80.3	57.7	80.98	82.28	4
5	26.88	26.38	26.78	27.38	48.1	86.4	148	128	78.8	58.8	80.58	82.88	5
6	27.28	26.38	26.48	26.88	48.1	81.2	148	128	77.8	58.4	83.18	81.88	6
7	27.68	26.28	26.28	30.88	49.9	86.7	148	125	78.4	58.0	84.58	83.78	7
8	27.78	26.38	26.98	33.48	51.0	100	148	123	78.4	58.3	84.28	84.28	8
9	27.68	26.28	26.88	36.0	51.7	102	148	120	74.0	58.8	86.08	86.78	9
10	27.68	26.78	26.58	37.0	52.1	105	149	119	72.7	63.8	87.28	87.78	10
11	27.78	26.68	26.48	37.8	53.5	106	148	117	71.7	63.2	86.88	87.48	11
12	27.48	26.58	26.18	38.0	54.9	110	147	115	71.1	63.2	86.48	86.98	12
13	27.18	26.68	26.68	38.6	55.9	113	148	113	71.8	62.7	86.28	86.78	13
14	27.18	26.78	26.88	40.2	56.9	115 A	148	111	70.8	63.0	86.28	86.38	14
15	27.18	26.78	26.98	40.6	57.7	117	149	109	70.1	62.0	86.28	86.38	15
16	27.18	26.68	26.88	41.0	58.3	119	148	107	69.2	62.6	86.28	70.08	16
17	27.18	26.88	26.68	41.1	59.2	121	150	105	68.8	63.8	85.48	69.18	17
18	27.18	26.88	26.48	41.0	59.3	123	150	105	67.8	66.8	86.08	68.88	18
19	27.18	26.88	26.68	40.8	59.4	124	150	104	68.6	67.4	84.88	68.88	19
20	27.18	26.18	26.88	40.8	59.9	126	149	102	68.1	67.8	84.88	68.88	20
21	27.18	26.38	26.78	40.8	61.0	128	148	100	63.8	67.8	67.08	68.78	21
22	27.68	26.38	26.68	40.1	61.6	133	151	86.8	66.2	66.7	66.98	70.88	22
23	27.78	26.38	26.48	39.7	61.8	138	148	87.8	66.8	66.3	66.88	70.78	23
24	27.68	26.68	26.88	39.4	63.8	141	147	86.2	64.8	66.2	66.78	70.28	24
25	27.88	26.78	26.88	39.2	67.4	143	148	86.8	63.9	66.8	66.88	70.08	25
26	26.68	26.38	26.98	39.1	68.4	145	145	84.2	64.0	66.8	61.38	70.48	26
27	26.68	26.08	26.18	38.2	70.6	147	144	83.8	66.1	61.6	62.28	72.38	27
28	26.68	27.68	26.38	40.2	72.7	149	142	81.1	63.0	62.1	62.08	73.08	28
29	26.68	27.78	26.18	41.0	74.2	149	141	86.8	63.2	62.1	62.08	72.88	29
30	26.60		26.28	41.7	76.2	150	138	87.2	63.2	62.1	61.98	72.88	30
31	26.68		25.38		76.6		137	86.7		62.2		72.88	31
TOTAL	850.1	834.8	796.3	1 005.4	1 811.1	3 813.7	4 582	3 385.3	2 115.4	1 779.0	1 787.9	2 102.3	TOTAL
MEAN	27.4	26.8	25.4	35.8	58.4	117	147	108	70.5	57.4	58.8	67.8	MEAN
MAX	28.8	28.3	27.4	41.7	76.6	150	151	135	83.8	63.2	62.2	73.0	MAX
MIN	25.7	27.7	24.4	35.4	42.7	80.0	137	86.7	63.2	52.0	54.8	80.7	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 87.2
MAXIMUM DAILY, 151 ON JUL 22
MINIMUM DAILY, 24.48 ON MAR 16
MAXIMUM INSTANTANEOUS,
153 AT 04:08 CST ON JUL 22

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 48 N
LONG 98 23 37 W

A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	73 400	JUL	284 000
FEB	72 100	AUG	232 000
MAR	87 000	SEP	183 000
APR	88 000	OCT	154 000
MAY	156 000	NOV	183 000
JUN	304 000	DEC	182 000

TOTAL DISCHARGE, 2 130 000 dam³

PILOT CREEK NEAR PILOT MOUND - STATION NO. 05OB025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.005B	0	0	0.015	0	0	0	---	---	1
2	---	---	0 B	0.006B	0	0	0.015	0	0	0	---	---	2
3	---	---	0 B	0.007B	0	0	0.012	0	0	0	---	---	3
4	---	---	0 B	0.007B	0	0	0.005	0	0	0	---	---	4
5	---	---	0 B	0.006B	0	0	0.002	0	0	0	---	---	5
6	---	---	0 B	0.005B	0	0.001	0.001	0	0	0	---	---	6
7	---	---	0 B	0.006B	0	0.004	0.001	0	0	0	---	---	7
8	---	---	0 B	0.013B	0	0.002	0	0	0	0	---	---	8
9	---	---	0 B	0.302B	0.003	0.001	0	0	0	0	---	---	9
10	---	---	0 B	0.361	0.012	0.001	0	0	0.001	0	---	---	10
11	---	---	0 B	0.001	0.005	0.001	0	0	0.006	0	---	---	11
12	---	---	0 B	0.001	0.028	0.001	0.314	0	0.006	0	---	---	12
13	---	---	0 B	0	0.008	0.001	0.014	0	0.006	0	---	---	13
14	---	---	0 B	0	0.005	0.001	0.005	0	0.007	0	---	---	14
15	---	---	0 B	0	0.056	0.001	0.003	0.193	0.007	0.004	---	---	15
16	---	---	0 B	0	0.049	0.001	0.002	0.005	0.007	0.006	---	---	16
17	---	---	0 B	0	0.019	0.001	0.001	0.003	0.005	0.002	---	---	17
18	---	---	0 B	0	0.002	0.001	0.001	0.002	0.006	0.002	---	---	18
19	---	---	0 B	0	0.001	0.001	0.001	0.001	0.003	0.002	---	---	19
20	---	---	0 B	0	0	0.001	0.001	0.003	0.001	0.005	---	---	20
21	---	---	0.001B	0	0	0.003	0.001	0.002	0	0.004	---	---	21
22	---	---	0.001B	0	0	0.003	0.001	0.002	0	0.003	---	---	22
23	---	---	0.001B	0	0	0.003	0	0.002	0	0.002	---	---	23
24	---	---	0.001B	0	0	0.003	0	0.001	0	0.002	---	---	24
25	---	---	0.001B	0	0	0.004	0	0.001	0	0.001	---	---	25
26	---	---	0.001B	0	0	0.010	0	0.001	0	0.001	---	---	26
27	---	---	0.001B	0	0	0.010	0	0.001	0	0.002	---	---	27
28	---	---	0.003B	0	0	0.011	0	0	0	0.001	---	---	28
29	---	---	0.004B	0	0	0.013	0	0	0	0	---	---	29
30	---		0.005B	0	0	0.014	0	0	0	0	---	---	30
31	---		0.005B		0		0	0		0		---	31
TOTAL	---	---	0.029	0.728	0.188	0.093	0.396	0.218	0.055	0.037	---	---	TOTAL
MEAN	---	---	0.001	0.024	0.006	0.003	0.013	0.007	0.002	0.001	---	---	MEAN
MAX	---	---	0.005	0.361	0.056	0.014	0.314	0.193	0.007	0.006	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.361 ON APR 10
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.92 AT 09:16 CST ON AUG 15

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 34 N
LONG 98 57 06 W
DRAINAGE AREA, 147 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	34.2
FEB	---	AUG	18.8
MAR	2.51	SEP	4.75
APR	62.9	OCT	3.20
MAY	16.2	NOV	---
JUN	8.04	DEC	---

TOTAL DISCHARGE, 151 dam³

PINE CREEK DIVERSION NEAR PINEY - STATION NO. 05OD027

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.942B	0.130B	0.223B	1.06 B	1.19	0.224	0.317	0.321	0.094	0.129	0.423B	0.542B	1
2	0.879B	0.131B	0.256B	0.934B	0.983	0.194	0.397	0.220	0.104	0.126	0.383B	0.488B	2
3	0.777B	0.130B	0.256B	0.818B	0.852	0.182	0.365	0.177	0.104	0.122	0.351B	0.480B	3
4	0.727B	0.144B	0.221B	0.429B	0.765	0.151	0.279	0.156	0.100	0.124	0.320B	0.425B	4
5	0.751B	0.158B	0.208B	0.374B	0.882	0.255	0.231	0.147	0.111	0.126	0.290B	0.385B	5
6	0.787B	0.216B	0.174B	0.484B	0.870	0.493	0.193	0.145	0.097	0.128	0.255B	0.385B	6
7	0.810B	0.286B	0.117B	0.650B	0.912	1.55	0.173	0.150	0.098	0.125	0.207B	0.404B	7
8	0.861B	0.381B	0.063B	0.752B	0.818	3.72	0.245	0.140	0.101	0.122	0.251B	0.435B	8
9	0.868B	0.446B	0.021B	0.824B	0.713	8.41	1.36	0.168	0.107	0.119	0.198B	0.435B	9
10	0.879B	0.456B	0.001B	1.01 B	0.674	8.19	1.01	0.260	0.121	0.117	0.162B	0.383B	10
11	0.818B	0.433B	0.001B	1.35 B	0.650	4.45	0.845	0.224	0.117	0.128	0.144B	0.332B	11
12	0.655B	0.430B	0.001B	3.42	0.621	2.90	0.681	0.168	0.111	0.138	0.154B	0.286B	12
13	0.384B	0.450B	0.001B	3.72	0.594	2.88	0.424	0.152	0.119	0.138	0.172B	0.221B	13
14	0.122B	0.456B	0.001B	2.78	0.565	2.02	0.671	0.141	0.126	0.150	0.182B	0.146B	14
15	0.040B	0.461B	0.001B	1.95	0.488	1.51	0.551	0.130	0.117	0.593	0.246B	0.376B	15
16	0.026B	0.456B	0.001B	1.52	0.423	1.36	0.416	0.130	0.114	1.17	0.207B	0.551B	16
17	0.024B	0.452B	0.001B	1.28	0.424	1.68	0.395	0.117	0.107	0.881	0.153B	0.726B	17
18	0.035B	0.409B	0.001B	1.11	0.388	1.61	0.322	0.115	0.107	0.745	0.188B	1.03 B	18
19	0.055B	0.392B	0.001B	0.875	0.342	1.17	0.268	0.102	0.105	1.10	0.203B	1.12 B	19
20	0.130B	0.413B	0.001B	0.626	0.358	0.894	0.210	0.108	0.100	1.83	0.218B	1.08 B	20
21	0.205B	0.416B	0.001B	0.830	0.527	0.708	0.183	0.140	0.144	1.55	0.338B	1.08 B	21
22	0.134B	0.384B	0.001B	0.771	0.597	0.623	0.194	0.152	0.078	1.17	0.441B	1.13 B	22
23	0.107B	0.336B	0.154B	0.708	0.584	0.582	0.193	0.134	0.093	0.899	0.476B	1.21 B	23
24	0.058B	0.266B	0.595B	0.693	0.587	0.481	0.160	0.128	0.086	0.755	0.477B	1.30 B	24
25	0.032B	0.219B	1.25 B	0.676	0.526	0.326	0.140	0.121	0.139	0.661	0.498B	1.40 B	25
26	0.050B	0.168B	1.92 B	0.880	0.447	0.449	0.133	0.125	0.135	0.614	0.617B	1.50 B	26
27	0.058B	0.151B	2.24 B	1.05	0.380	1.00	0.173	0.117	0.130	0.590B	0.657B	1.55 B	27
28	0.061B	0.151B	2.08 B	1.58	0.334	0.865	0.185	0.108	0.125	0.570B	0.696B	1.52 B	28
29	0.077B	0.166B	1.82 B	1.48	0.298	0.473	0.137	0.100	0.132	0.536B	0.888B	1.43 B	29
30	0.080B		1.82 B	1.32	0.280	0.384	0.198	0.087	0.127	0.498B	0.818B	1.23 B	30
31	0.102B		1.23 B		0.231		0.416	0.080		0.462B		1.02 B	31
TOTAL	11.558	9.063	14.984	36.069	17.848	49.288	11.018	4.570	3.382	16.505	10.180	24.573	TOTAL
MEAN	0.373	0.312	0.483	1.20	0.576	1.64	0.355	0.147	0.112	0.532	0.339	0.793	MEAN
MAX	0.942	0.461	2.24	3.72	1.19	8.41	1.36	0.321	0.144	1.83	0.888	1.55	MAX
MIN	0.024	0.130	0.001	0.374	0.231	0.151	0.133	0.080	0.078	0.117	0.144	0.146	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.569
MAXIMUM DAILY, 8.41 ON JUN 9
MINIMUM DAILY, 0.001B ON MAR 10
MAXIMUM INSTANTANEOUS,
9.14 AT 02:24 CST ON JUN 10

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 28 N
LONG 95 58 40 W
DRAINAGE AREA, 158 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	999	JUL	952
FEB	783	AUG	395
MAR	1 290	SEP	290
APR	3 120	OCT	1 430
MAY	1 540	NOV	880
JUN	4 260	DEC	2 120

TOTAL DISCHARGE, 18 000 dam³

PINE CREEK NEAR MELBOURNE - STATION NO. 05LL014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0988	0.0988	0.1418	0.326	0.308	0.266	0.158	0.095	0.088	0.089	0.1418	0.1788	1
2	0.0988	0.1008	0.1398	0.283	0.347	0.252	0.158	0.112	0.092	0.088	0.1428	0.1548	2
3	0.1028	0.1028	0.1378	0.284	0.408	0.199	0.150	0.121	0.085	0.085	0.1438	0.1408	3
4	0.1038	0.1008	0.1348	0.273	0.388	0.186	0.134	0.109	0.082	0.085	0.1488	0.1318	4
5	0.1068	0.1008	0.1318	0.266	0.352	0.183	0.146	0.092	0.087	0.104	0.1238	0.1148	5
6	0.1078	0.0998	0.1288	0.266	0.327	0.202	0.134	0.088	0.083	0.130	0.1188	0.1068	6
7	0.1068	0.0988	0.1268	0.261	0.320	0.230	0.135	0.100	0.085	0.134	0.1338	0.1148	7
8	0.1038	0.1018	0.1238	0.238	0.322	0.263	0.166	0.114	0.085	0.107	0.1408	0.1188	8
9	0.1028	0.1018	0.1228	0.208	0.262	0.322	0.231	0.111	0.085	0.085	0.1338	0.1188	9
10	0.1018	0.1028	0.1228	0.213	0.266	0.294	0.248	0.110	0.083	0.077	0.1368	0.1188	10
11	0.0978	0.1028	0.1188	0.224	0.237	0.268	0.182	0.124	0.086	0.178	0.1278	0.1118	11
12	0.0928	0.1038	0.1168	0.306	0.244	0.272	0.133	0.080	0.118	0.187	0.1488	0.0988	12
13	0.0908	0.1068	0.1178	0.382	0.261	0.282	0.100	0.084	0.078	0.114	0.2158	0.0788	13
14	0.0898	0.1088	0.1188	0.386	0.276	0.277	0.088	0.080	0.077	0.077	0.2318	0.0838	14
15	0.0898	0.1128	0.1148	0.345	0.306	0.756	0.072	0.080	0.082	0.184	0.2228	0.0908	15
16	0.0898	0.1148	0.1148	0.296	0.288	0.800	0.108	0.087	0.048	0.212	0.1888	0.0908	16
17	0.0908	0.1158	0.1158	0.278	0.292	0.311	0.104	0.071	0.048	0.173	0.1748	0.0928	17
18	0.0908	0.1188	0.1188	0.283	0.358	0.287	0.088	0.078	0.085	0.114	0.1648	0.0948	18
19	0.0888	0.1238	0.1198	0.234	0.378	0.288	0.087	0.072	0.085	0.188	0.1388	0.1018	19
20	0.0858	0.1318	0.1518	0.211	0.343	0.208	0.092	0.083	0.082	0.383	0.1318	0.1008	20
21	0.0848	0.1428	0.1988	0.207	0.252	0.190	0.080	0.070	0.108	0.303	0.1338	0.1188	21
22	0.0838	0.1478	0.2388	0.298	0.239	0.211	0.084	0.088	0.111	0.244	0.1848	0.1148	22
23	0.0858	0.1508	0.3298	0.344	0.231	0.255	0.087	0.058	0.084	0.218	0.1888	0.0828	23
24	0.0858	0.1518	0.3698	0.318	0.243	0.288	0.087	0.044	0.081	0.261	0.1888	0.0878	24
25	0.0908	0.1488	0.504	0.230	0.312	0.218	0.105	0.037	0.087	0.242	0.1878	0.0838	25
26	0.0918	0.1428	0.573	0.212	0.331	0.230	0.110	0.087	0.084	0.228	0.2388	0.0728	26
27	0.0918	0.1428	0.486	0.251	0.335	0.241	0.106	0.080	0.085	0.235	0.2278	0.0728	27
28	0.0918	0.1418	0.424	0.351	0.343	0.288	0.104	0.114	0.085	0.2178	0.2178	0.0708	28
29	0.0928	0.1428	0.368	0.324	0.295	0.221	0.107	0.115	0.081	0.1988	0.2078	0.0698	29
30	0.0938		0.377	0.302	0.226	0.188	0.118	0.103	0.077	0.1718	0.1948	0.0778	30
31	0.0958		0.361		0.207		0.126	0.087		0.1808		0.0788	31
TOTAL	3.087	3.433	6.787	8.344	8.672	8.525	3.873	2.689	2.305	5.176	5.087	3.147	TOTAL
MEAN	0.094	0.116	0.218	0.275	0.288	0.284	0.125	0.088	0.077	0.167	0.188	0.102	MEAN
MAX	0.108	0.151	0.573	0.386	0.408	0.756	0.248	0.134	0.118	0.383	0.238	0.175	MAX
MIN	0.083	0.098	0.114	0.208	0.205	0.183	0.072	0.037	0.048	0.088	0.118	0.088	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.167
MAXIMUM DAILY, 0.756 ON JUN 15
MINIMUM DAILY, 0.037 ON AUG 25
MAXIMUM INSTANTANEOUS,
0.859 AT 04:03 CST ON JUN 15

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 00 N
LONG 99 13 30 W
DRAINAGE AREA, 293 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	251	JUL	335
FEB	297	AUG	231
MAR	584	SEP	199
APR	712	OCT	447
MAY	747	NOV	436
JUN	737	DEC	272

TOTAL DISCHARGE, 5 270 dam³

PINE CREEK NEAR PINE CREEK STATION - STATION NO 05LL007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4138	1.83 B	1.43 B	0.782	0.615	---	---	---	---	---	1
2	---	---	0.4138	1.87 B	1.56 B	0.745	0.578	---	---	---	---	---	2
3	---	---	0.4138	1.71 B	1.67 B	0.723	0.506	---	---	---	---	---	3
4	---	---	0.4138	1.85 B	2.07 B	0.770	0.484	---	---	---	---	---	4
5	---	---	0.4138	1.84 B	1.97	0.787	0.477	---	---	---	---	---	5
6	---	---	0.4138	1.65 B	1.76	0.719	0.474	---	---	---	---	---	6
7	---	---	0.4138	1.59 B	1.59	0.589	0.473	---	---	---	---	---	7
8	---	---	0.4138	1.67 B	1.46	1.44	0.476	---	---	---	---	---	8
9	---	---	0.4138	1.62 B	1.37	1.61	0.478	---	---	---	---	---	9
10	---	---	0.4138	1.60 B	1.30	1.57	0.476	---	---	---	---	---	10
11	---	---	0.4138	1.59 B	1.28	1.37	0.476	---	---	---	---	---	11
12	---	---	0.4138	1.55 B	1.26	1.20	0.477	---	---	---	---	---	12
13	---	---	0.4138	1.65 B	1.32	1.08	0.478	---	---	---	---	---	13
14	---	---	0.4138	1.74 B	1.16	1.00	0.473	---	---	---	---	---	14
15	---	---	0.4138	1.88 B	1.13	0.988	0.470	---	---	---	---	---	15
16	---	---	0.4138	1.58 B	1.13	0.894	0.471	---	---	---	---	---	16
17	---	---	0.4138	1.61	1.12	1.30	0.471	---	---	---	---	---	17
18	---	---	0.4138	1.43	1.09	1.45	0.472	---	---	---	---	---	18
19	---	---	0.4138	1.32	1.06	1.23	0.471	---	---	---	---	---	19
20	---	---	0.4298	1.24	1.13	0.987	0.469	---	---	---	---	---	20
21	---	---	0.4858	1.22	1.18	0.812	0.467	---	---	---	---	---	21
22	---	---	0.5288	1.15	1.16	0.823	0.466	---	---	---	---	---	22
23	---	---	0.5098	1.08	1.08	0.821	0.464	---	---	---	---	---	23
24	---	---	0.5298	1.15	1.05	0.831	0.462	---	---	---	---	---	24
25	---	---	1.80 B	1.17	1.07	0.780	0.461	---	---	---	---	---	25
26	---	---	2.88 B	1.08	1.10	0.783	0.459	---	---	---	---	---	26
27	---	---	3.15 B	1.04	1.03	0.785	0.459	---	---	---	---	---	27
28	---	---	2.76 B	0.7708	1.08	0.773	0.460	---	---	---	---	---	28
29	---	---	2.36 B	0.8908	0.971	0.784	0.461	---	---	---	---	---	29
30	---		2.07 B	1.31 B	0.954	0.840	---	---	---	---	---	---	30
31	---		1.97 B		0.880		---	---		---		---	31
TOTAL	---	---	27.483	43.530	39.805	29.257	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.886	1.45	1.27	0.975	---	---	---	---	---	---	MEAN
MAX	---	---	3.15	1.87	2.07	1.61	---	---	---	---	---	---	MAX
MIN	---	---	0.413	0.770	0.880	0.840	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.16
MAXIMUM DAILY, 3.15B ON MAR 27
MINIMUM DAILY, 0.413B ON MAR 1
MAXIMUM INSTANTANEOUS,
3.23B AT 06:23 CST ON MAR 27

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 03 40 N
LONG 98 56 48 W
DRAINAGE AREA, 935 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	2 370	SEP	---
APR	3 780	OCT	---
MAY	3 410	NOV	---
JUN	2 530	DEC	---

TOTAL DISCHARGE, 12 100 dam³

PINE RIVER NEAR PINE RIVER - STATION NO. 05LG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0608	0.0738	1.058	2.46	3.50	0.894	0.780	0.855	---	---	1
2	---	---	0.0788	0.1058	1.30	2.80	2.87	0.741	0.776	0.820	---	---	2
3	---	---	0.0788	0.1448	1.57	1.73	2.43	0.710	0.813	0.891	---	---	3
4	---	---	0.0785	0.1398	1.90	1.07	2.20	0.765	0.839	0.998	---	---	4
5	---	---	0.0788	0.2558	2.13	0.724	2.05	1.19	0.811	0.982	---	---	5
6	---	---	0.0778	0.2568	2.22	0.647	1.95	1.51	0.791	0.853	---	---	6
7	---	---	0.0778	0.7838	2.01	5.40	1.58	1.07	0.852	0.821	---	---	7
8	---	---	0.0788	1.06 B	1.73	8.55	1.87	0.898	0.812	0.862	---	---	8
9	---	---	0.0788	0.893	1.74	6.39	1.56	0.798	0.874	0.810	---	---	9
10	---	---	0.0788	1.00	2.20	4.80	1.54	0.784	0.808	0.718	---	---	10
11	---	---	0.0788	1.17	3.23	3.73	1.40	0.788	0.801	0.713	---	---	11
12	---	---	0.0748	1.75	3.98	3.01	1.29	0.804	0.828	0.883	---	---	12
13	---	---	0.0748	2.88	4.20	2.58	1.24	0.842	0.874	0.851	---	---	13
14	---	---	0.0738	2.88	3.98	2.88	1.19	0.783	0.820	0.838	---	---	14
15	---	---	0.0738	2.28 B	3.84	2.62	1.21	0.808	0.480	0.428	---	---	15
16	---	---	0.0728	2.42 B	3.18	2.36	1.27	1.08	0.388	2.84	---	---	16
17	---	---	0.0728	2.18	2.88	2.30	1.28	0.972	0.404	4.07	---	---	17
18	---	---	0.0718	1.88	2.88	2.21	1.08	0.908	0.301	3.48	---	---	18
19	---	---	0.0718	1.78	2.98	2.84	1.00	0.873	0.214	3.18	---	---	19
20	---	---	0.0708	1.52	3.10	4.28	0.931	0.932	0.248	3.42	---	---	20
21	---	---	0.0708	1.28	4.48	4.30	0.888	0.922	0.271	2.85	---	---	21
22	---	---	0.0698	1.07	4.34	5.28	0.811	0.953	1.58	2.58	---	---	22
23	---	---	0.0808	0.983	3.93	24.3	0.780	0.832	1.62	2.30	---	---	23
24	---	---	0.1808	0.881	4.01	18.8	0.718	0.808	1.22	2.12	---	---	24
25	---	---	0.4158	1.27	3.84	11.0	0.673	0.804	1.08	1.93	---	---	25
26	---	---	0.8358	1.37 B	4.42	9.40	0.686	0.780	0.977	1.88	---	---	26
27	---	---	0.4158	1.13 B	4.80	7.80	0.672	0.721	0.854	1.73	---	---	27
28	---	---	0.1758	1.13 B	4.02	8.47	0.626	0.805	0.903	1.52 B	---	---	28
29	---	---	0.0648	1.33 B	3.35	5.07	0.597	0.897	0.881	1.33 B	---	---	29
30	---	---	0.0678	1.36 B	2.77	4.21	0.740	0.733	0.877	1.15 B	---	---	30
31	---	---	0.0618		2.27		0.783	0.885		0.9858	---	---	31
TOTAL	---	---	3.732	38.854	93.93	158.481	41.750	26.542	22.808	49.426	---	---	TOTAL
MEAN	---	---	0.120	1.23	3.03	5.28	1.35	0.856	0.754	1.59	---	---	MEAN
MAX	---	---	0.835	2.88	4.80	24.3	3.50	1.51	1.62	4.07	---	---	MAX
MIN	---	---	0.052	0.073	1.05	0.647	0.597	0.805	0.214	0.428	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.77
MAXIMUM DAILY, 24.3 ON JUN 23
MINIMUM DAILY, 0.0628 ON MAR 31
MAXIMUM INSTANTANEOUS,
27.6 AT 09:11 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 49 00 N
LONG 100 32 00 W
DRAINAGE AREA, 210 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 510
FEB	---	AUG	2 290
MAR	322	SEP	1 950
APR	3 180	OCT	4 270
MAY	8 120	NOV	---
JUN	13 700	DEC	---

TOTAL DISCHARGE, 37 400 dam³

PIPESTONE CREEK NEAR PIPESTONE - STATION NO 05NE003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0088	0.0888	0.2178	3.03 B	3.03	0.040	0.011	0.002	0.001	0.018	0.146	0.0278	1
2	0.0078	0.0858	0.2118	3.43 B	3.82	0.038	0.010	0.002	0.001	0.018	0.138	0.0308	2
3	0.0088	0.0878	0.2058	3.42 B	0.371	0.035	0.010	0.002	0.002	0.018	0.101	0.0288	3
4	0.0098	0.0838	0.1988	2.92 B	0.089	0.037	0.008	0.002	0.001	0.015	0.089	0.0288	4
5	0.0118	0.0688	0.1938	1.66 B	0.117	0.047	0.007	0.002	0.001	0.015	0.081	0.0258	5
6	0.0128	0.0658	0.1878	0.3348	0.122	0.045	0.006	0.002	0.001	0.032	0.071	0.0158	6
7	0.0138	0.0578	0.1818	0.2488	0.118	0.047	0.007	0.002	0.001	0.025	0.047	0.0128	7
8	0.0158	0.0488	0.1758	0.3708	0.118	0.044	0.007	0.002	0.001	0.024	0.045	0.0148	8
9	0.0188	0.0368	0.1698	0.426	0.108	0.037	0.008	0.002	0.001	0.028	0.047	0.0188	9
10	0.0188	0.0298	0.1638	0.424	0.114	0.033	0.008	0.002	0.001	0.029	0.050	0.0178	10
11	0.0188	0.0248	0.1578	0.387	0.106	0.031	0.008	0.002	0.001	0.030	0.050	0.0218	11
12	0.0208	0.0218	0.1518	0.389	0.093	0.031	0.004	0.002	0.001	0.020	0.048	0.0188	12
13	0.0238	0.0228	0.1458	0.406	0.086	0.032	0.006	0.003	0.042	0.021	0.047	0.0128	13
14	0.0238	0.0328	0.1398	0.316	0.084	0.030	0.005	0.003	0.885	0.019	0.047	0.0078	14
15	0.0248	0.0328	0.1338	0.280	0.083	0.030	0.005	0.003	0.977	0.031	0.050	0.0048	15
16	0.0288	0.0338	0.1278	0.178	0.078	0.030	0.007	0.003	0.830	0.058	0.052	0.0048	16
17	0.0278	0.0288	0.1218	0.143	0.071	0.028	0.004	0.003	0.303	0.041	0.052	0.0028	17
18	0.0248	0.0278	0.1158	0.131	0.067	0.026	0.003	0.002	0.135	0.031	0.048	0.0018	18
19	0.0178	0.0348	0.1098	0.109	0.066	0.025	0.002	0.002	0.088	0.033	0.048	0.0018	19
20	0.0088	0.0318	0.1038	0.092	0.054	0.024	0.002	0.002	0.080	0.038	0.044	0.0018	20
21	0.0018	0.0488	0.1588	0.080	0.050	0.024	0.002	0.002	0.040	0.056	0.035	0.0028	21
22	0 B	0.0858	0.4528	0.085	0.052	0.024	0.002	0.002	0.048	0.427	0.031	0.0018	22
23	0 B	0.0788	1.04 B	0.088	0.053	0.023	0.002	0.002	0.044	0.877	0.028	0.0018	23
24	0 B	0.1158	3.50 B	0.081	0.055	0.020	0.002	0.002	0.037	0.712	0.026	0.0018	24
25	0.0018	0.1758	5.63 B	0.081	0.054	0.017	0.001	0.002	0.032	0.587	0.026	0.0018	25
26	0.0088	0.2718	8.32 B	0.078	0.053	0.017	0.001	0.002	0.028	0.542	0.031	0.0018	26
27	0.0238	0.3418	5.70 B	0.212	0.087	0.018	0.001	0.002	0.028	0.498	0.0218	0.0018	27
28	0.0378	0.2828	5.18 B	0.938	0.082	0.015	0.001	0.002	0.021	0.332	0.0258	0.0028	28
29	0.0578	0.2188	4.72 B	1.11	0.047	0.012	0.001	0.002	0.020	0.204	0.0338	0.0028	29
30	0.0888		4.04 B	1.18	0.042	0.012	0.002	0.001	0.018	0.141	0.0288	0.0028	30
31	0.0788		3.58 B		0.042		0.002	0.001		0.120		0.0028	31
TOTAL	0.597	2.519	44.436	22.520	9.181	0.889	0.137	0.085	3.436	4.840	1.587	0.302	TOTAL
MEAN	0.019	0.087	1.43	0.751	0.296	0.029	0.004	0.002	0.115	0.156	0.053	0.010	MEAN
MAX	0.078	0.341	8.63	3.43	3.82	0.047	0.011	0.003	0.877	0.712	0.146	0.030	MAX
MIN	0	0.021	0.103	0.085	0.042	0.012	0.001	0.001	0.001	0.015	0.021	0.001	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.247
MAXIMUM DAILY, 8.630 ON MAR 25
MINIMUM DAILY, 0B ON JAN 22
MAXIMUM INSTANTANEOUS,
8.758 AT 08:00 CST ON MAR 25

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 35 40 N
LONG 100 56 30 W
DRAINAGE AREA, 4 200 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	51.6	JUL	11.8
FEB	218	AUG	5.62
MAR	3 840	SEP	297
APR	1 950	OCT	418
MAY	792	NOV	137
JUN	75.1	DEC	28.1

TOTAL DISCHARGE, 7 820 dam³

PIPESTONE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05NG024

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.2895	0.0778	0.0558	0.156	0.081	0.002	0.001	0	0.805	0.005	0.0138	0.0088	1
2	0.3178	0.0728	0.0588	0.156	0.088	0	0	0	0.841	0.005	0.0088	0.0088	2
3	0.2558	0.0718	0.0558	0.151	0.076	0	0	0	0.818	0.003	0.0078	0.0078	3
4	0.2208	0.0788	0.0808	0.145	0.086	0	0	0	0.588	0.004	0.0068	0.0078	4
5	0.2008	0.0808	0.0888	0.148	0.080	0	0	0	0.581	0.004	0.0068	0.0068	5
6	0.1808	0.0778	0.0778	0.180	0.058	0	0	0	0.584	0.005	0.0058	0.0068	6
7	0.1608	0.0738	0.0838	0.151	0.045	0.001	0	0	0.582	0.006	0.0048	0.0058	7
8	0.1408	0.0728	0.0848	0.141	0.032	0.001	0	0	0.572	0.005	0.0058	0.0058	8
9	0.1208	0.0718	0.0798	0.130	0.025	0.001	0	0	0.521	0.005	0.0058	0.0058	9
10	0.1008	0.0708	0.0788	0.112	0.018	0.001	0	0	0.488	0.005	0.0048	0.0058	10
11	0.0808	0.0728	0.0898	0.104	0.011	0.001	0	0	0.307	0.005	0.0038	0.0058	11
12	0.0808	0.0688	0.0738	0.123	0.008	0.001	0	0	0.185	0.004	0.0038	0.0048	12
13	0.0788	0.0888	0.0708	0.140	0.007	0.002	0	0	0.099	0.043	0.0038	0.0038	13
14	0.0788	0.0758	0.0768	0.101	0.006	0.002	0	0	0.048	0.110	0.0048	0.0028	14
15	0.0788	0.0678	0.0798	0.078	0.005	0.002	0	0	0.034	0.184	0.0058	0.0018	15
16	0.0768	0.0588	0.0818	0.068	0.004	0.002	0	0	0.023	0.239	0.0058	0.0018	16
17	0.0768	0.0638	0.0888	0.064	0.004	0.002	0	0	0.010	0.237	0.0048	0.0018	17
18	0.0768	0.0598	0.0588	0.053	0.003	0.001	0	0	0.011	0.173	0.0038	0.0018	18
19	0.0738	0.0528	0.0288	0.045	0.002	0.001	0	0	0.007	0.166	0.0028	0.0028	19
20	0.0708	0.0558	0.0588	0.040	0.003	0	0	0	0.007	0.215	0.0028	0.0018	20
21	0.0858	0.0858	0.5388	0.035	0.004	0	0	0	0.007	0.204	0.0028	0 B	21
22	0.0818	0.1188	0.7498	0.027	0.003	0.001	0	0	0.008	0.180	0.0028	0 B	22
23	0.0818	0.1028	1.37 B	0.018	0.003	0.004	0	0	0.007	0.111	0.0028	0 B	23
24	0.0878	0.0908	1.81 B	0.014	0.003	0.003	0	0	0.006	0.078	0.0038	0 B	24
25	0.0728	0.0898	0.9738	0.012	0.003	0.003	0	0	0.006	0.059	0.0038	0 B	25
26	0.0748	0.0788	0.4148	0.012	0.002	0.003	0	0	0.008	0.057	0.0108	0 B	26
27	0.0698	0.0728	0.2628	0.100	0.002	0.002	0	0	0.006	0.0548	0.0098	0 B	27
28	0.0658	0.0588	0.1788	0.285	0.001	0.002	0	0.378	0.006	0.0488	0.0078	0 B	28
29	0.0708	0.0548	0.145	0.101	0.001	0.001	0	0.451	0.006	0.0538	0.0088	0 B	29
30	0.0728		0.158	0.098	0.002	0.001	0	0.475	0.006	0.0628	0.0098	0 B	30
31	0.0738		0.180		0.002		0	0.550		0.0388		0 B	31
TOTAL	3.504	2.121	4.134	2.972	0.625	0.040	0.001	1.855	6.556	2.315	0.159	0.084	TOTAL
MEAN	0.113	0.073	0.262	0.099	0.020	0.001	0	0.060	0.219	0.075	0.005	0.003	MEAN
MAX	0.317	0.116	1.81	0.285	0.088	0.004	0.001	0.550	0.841	0.239	0.018	0.009	MAX
MIN	0.061	0.052	0.026	0.012	0.001	0	0	0	0.006	0.003	0.002	0	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.092
MAXIMUM DAILY, 1.810 ON MAR 24
MINIMUM DAILY, 0 ON JUN 2
MAXIMUM INSTANTANEOUS,
2.860 AT 00:12 CST ON MAR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 50 28 N
LONG 101 23 48 W
DRAINAGE AREA, 3.860 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	303	JUL	0.09
FEB	183	AUG	160
MAR	703	SEP	566
APR	257	OCT	200
MAY	54.0	NOV	13.7
JUN	3.46	DEC	7.26

TOTAL DISCHARGE, 1.940 dam³

PLEASANT VALLEY CREEK NEAR GRANDVIEW - STATION NO. 05LJ031

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1808	0.3318	0.014	0.005	0	0.386	0.187	0.107	---	---	1
2	---	---	0.1808	0.3438	0.005	0.003	0	0.118	0.306	0.080	---	---	2
3	---	---	0.1798	0.4438	0.003	0.003	0	0.038	0.271	0.037	---	---	3
4	---	---	0.1788	0.5088	0.003	0.002	0	0.021	0.248	0.022	---	---	4
5	---	---	0.1788	0.5538	0.003	0.002	0	0.012	0.124	0.014	---	---	5
6	---	---	0.1788	0.4818	0.003	0.003	0	0.004	0.033	0.015	---	---	6
7	---	---	0.1788	0.4508	0.005	0.006	0	0.002	0.077	0.017	---	---	7
8	---	---	0.1788	0.3388	0.005	0.016	0	0.001	0.330	0.021	---	---	8
9	---	---	0.1788	0.1888	0.004	0.013	0	0.001	0.432	0.024	---	---	9
10	---	---	0.1788	0.2048	0.003	0.006	0	0	0.428	0.034	---	---	10
11	---	---	0.1778	0.1448	0.004	0.003	0	0	0.426	0.028	---	---	11
12	---	---	0.1778	0.1088	0.007	0.002	0	0	0.850	0.027	---	---	12
13	---	---	0.1778	0.1488	0.017	0.001	0	0	0.521	0.020	---	---	13
14	---	---	0.1768	0.0578	0.022	0.001	0	0	0.451	0.019	---	---	14
15	---	---	0.1768	0.0338	0.015	0.001	0	0	0.218	0.019	---	---	15
16	---	---	0.1768	0.0318	0.010	0.001	0	0	0.090	0.124	---	---	16
17	---	---	0.1768	0.0328	0.008	0.001	0	0	0.065	0.058	---	---	17
18	---	---	0.1748	0.0418	0.009	0.001	0	0	0.040	0.030	---	---	18
19	---	---	0.1748	0.025	0.008	0.001	0	0	0.015	0.024	---	---	19
20	---	---	0.1738	0.020	0.004	0.001	0	0	0.012	0.034	---	---	20
21	---	---	0.1828	0.017	0.005	0.001	0	0	0.138	0.029	---	---	21
22	---	---	0.1168	0.015	0.003	0.005	0	0	0.187	0.020	---	---	22
23	---	---	0.2878	0.017	0.134	0.074	0	0	0.100	0.014	---	---	23
24	---	---	0.5008	0.015	0.374	0.142	0	0	0.084	0.115	---	---	24
25	---	---	0.4178	0.012	0.131	0.082	0	0.036	0.089	0.225	---	---	25
26	---	---	0.4588	0.005	0.078	0.018	0.384	0.083	0.083	0.247	---	---	26
27	---	---	0.3288	0.002	0.028	0.006	0.831	0.048	0.053	0.278	---	---	27
28	---	---	0.2188	0.003	0.015	0.003	0.822	0.036	0.075	0.203	---	---	28
29	---	---	0.2838	0.008	0.011	0	0.828	0.024	0.108	0.1848	---	---	29
30	---		0.2508	0.030	0.008	0	0.885	0.020	0.108	0.1888	---	---	30
31	---		0.3718		0.007		0.832	0.014		0.1938		---	31
TOTAL	---	---	7.043	4.811	0.963	0.373	4.530	0.852	5.919	2.448	---	---	TOTAL
MEAN	---	---	0.227	0.184	0.030	0.012	0.148	0.027	0.197	0.079	---	---	MEAN
MAX	---	---	0.500	0.553	0.374	0.142	0.885	0.398	0.850	0.278	---	---	MAX
MIN	---	---	0.116	0.002	0.003	0	0	0	0.012	0.014	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.109
MAXIMUM DAILY, 0.885 ON JUL 30
MINIMUM DAILY, 0 ON JUN 29
MAXIMUM INSTANTANEOUS,
1.31 AT 21:41 CST ON MAY 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 06 15 N
LONG 100 53 57 W
DRAINAGE AREA, 282 km²

B - ICE CONDITIONS

REGULATED SINCE 1972

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	391
FEB	---	AUG	73.6
MAR	809	SEP	511
APR	398	OCT	212
MAY	81.5	NOV	---
JUN	32.2	DEC	---

TOTAL DISCHARGE, 2.310 dam³

PLUM CREEK NEAR SOURIS - STATION NO. 05NG007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0018	0.0238	0.002	0.001	0	0	0	---	---	1
2	---	---	0 B	0.0018	0.0308	0.001	0.001	0	0	0	---	---	2
3	---	---	0 B	0.0038	0.0478	0.001	0.001	0	0	0	---	---	3
4	---	---	0 B	0.0068	0.054	0.001	0.001	0	0	0	---	---	4
5	---	---	0 B	0.014	0.062	0.001	0.001	0	0	0	---	---	5
6	---	---	0 B	0.018	0.062	0.031	0.001	0	0	0	---	---	6
7	---	---	0 B	0.008	0.071	0.014	0.001	0	0	0	---	---	7
8	---	---	0 B	0.004	0.083	0.018	0.001	0	0	0	---	---	8
9	---	---	0 B	0.002	0.082	0.018	0.001	0	0	0	---	---	9
10	---	---	0 B	0.002	0.050	0.008	0.001	0	0	0	---	---	10
11	---	---	0 B	0.002	0.043	0.003	0.001	0	0	0	---	---	11
12	---	---	0 B	0.002	0.045	0.003	0.001	0	0	0	---	---	12
13	---	---	0 B	0.002	0.038	0.002	0.001	0	0	0	---	---	13
14	---	---	0 B	0.008	0.039	0.001	0.001	0	0	0	---	---	14
15	---	---	0 B	0.013	0.038	0.001	0.001	0	0	0	---	---	15
16	---	---	0 B	0.018	0.038	0.002	0.001	0	0	0	---	---	16
17	---	---	0 B	0.012	0.027	0.014	0.001	0	0	0	---	---	17
18	---	---	0 B	0.011	0.014	0.008	0.001	0	0	0	---	---	18
19	---	---	0 B	0.012	0.021	0.008	0	0	0	0	---	---	19
20	---	---	0.0028	0.010	0.023	0.003	0	0	0	0	---	---	20
21	---	---	0.0048	0.006	0.018	0.002	0	0	0	0	---	---	21
22	---	---	0.0058	0.006	0.018	0.008	0	0	0	0	---	---	22
23	---	---	0.0108	0.006	0.018	0.023	0	0	0	0	---	---	23
24	---	---	0.0408	0.003	0.022	0.010	0	0	0	0	---	---	24
25	---	---	0.0578	0.001	0.026	0.007	0	0	0	0	---	---	25
26	---	---	0.0598	0.001	0.030	0.008	0	0	0	0	---	---	26
27	---	---	0.0478	0.0278	0.028	0.001	0	0	0	0	---	---	27
28	---	---	0.0158	0.0248	0.025	0.008	0	0	0	0	---	---	28
29	---	---	0.0038	0.0018	0.025	0.004	0	0	0	0	---	---	29
30	---	---	0.0038	0.0028	0.026	0.001	0	0	0	0	---	---	30
31	---	---	0.0028		0.018		0	0		0	---	---	31
TOTAL	---	---	0.277	0.221	1.139	0.182	0.018	0	0	0	---	---	TOTAL
MEAN	---	---	0.009	0.007	0.037	0.006	0.001	0	0	0	---	---	MEAN
MAX	---	---	0.089	0.027	0.062	0.023	0.001	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0.014	0.001	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.007
MAXIMUM DAILY, 0.0898 ON MAR 26
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.2019 AT 06 00 CST ON MAR 26

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 30 N
LONG 100 18 20 W
DRAINAGE AREA, 5 830 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 55
FEB	---	AUG	0
MAR	23 9	SEP	0
APR	19 1	OCT	0
MAY	98 4	NOV	---
JUN	15 7	DEC	---

TOTAL DISCHARGE, 159 dam³

PLUM LAKE ABOVE DELEAU DAM - STATION NO 05NG801

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	428.983	428.884	428.811	428.387	---	428.040	---	---	1
2	---	---	---	---	428.978	428.887	428.805	428.345	---	428.028	---	---	2
3	---	---	---	---	428.979	428.875	428.799	428.278	---	428.012	---	---	3
4	---	---	---	---	428.976	428.866	428.790	428.207	---	428.008	---	---	4
5	---	---	---	428.854A	428.966	428.860	428.784	428.150	---	428.006	---	---	5
6	---	---	---	---	428.963	428.860	428.777	428.028	---	428.046	---	---	6
7	---	---	---	---	428.963	428.889	428.771	427.997	---	428.150	---	---	7
8	---	---	---	---	428.957	428.868	428.780	427.936	---	428.155	---	---	8
9	---	---	---	---	428.951	428.883	428.771	---	---	428.150	---	---	9
10	---	---	---	---	428.954	428.880	428.762	---	---	428.146	---	---	10
11	---	---	---	---	428.951	428.857	428.753	---	427.903	428.159	---	---	11
12	---	---	---	---	428.939	428.857	428.744	---	428.025	428.174	---	---	12
13	---	---	---	428.878	428.935	428.880	428.741	---	428.122	428.171	---	---	13
14	---	---	---	428.861	428.933	428.857	428.735	---	428.110	428.162	---	---	14
15	---	---	---	428.881	428.924	428.857	428.728	---	428.089	428.189	---	---	15
16	---	---	---	428.884	428.924	428.854	428.718	---	428.087	428.388	---	---	16
17	---	---	---	428.884	428.933	428.868	428.677	---	428.040	428.388	---	---	17
18	---	---	---	428.887	428.930	428.868	428.598	---	428.012	428.403	---	---	18
19	---	---	---	428.887	428.918	428.863	428.583	---	427.988	428.415	---	---	19
20	---	---	---	428.880	428.915	428.857	428.571	---	427.981	428.454	---	---	20
21	---	---	---	428.890	428.918	428.854	428.562	---	428.000	428.457	---	---	21
22	---	---	---	428.883	428.915	428.854	428.537	---	428.078	428.457	---	---	22
23	---	---	---	428.893	428.906	428.857	428.531	---	428.070	428.448	---	---	23
24	---	---	---	428.883	428.912	428.848	428.518	---	428.058	428.448A	---	---	24
25	---	---	---	428.896	428.906	428.841	428.595	---	428.078	---	---	---	25
26	---	---	---	428.899	428.905	428.841	428.570	---	428.088	---	---	---	26
27	---	---	---	428.915	428.902	428.836	428.543	---	428.078	---	---	---	27
28	---	---	---	428.948	428.898	428.832	428.509	---	428.061	---	---	---	28
29	---	---	---	428.950	428.893	428.823	428.478	---	428.048	---	---	---	29
30	---	---	---	428.957	428.890	428.817	428.445	---	428.040	---	---	---	30
31	---	---	---		428.884		428.421	---		---	---	---	31
MEAN	---	---	---	---	428.932	428.868	428.681	---	---	---	---	---	MEAN
MAX	---	---	---	---	428.978	428.887	428.811	---	---	---	---	---	MAX
MIN	---	---	---	---	428.884	428.817	428.421	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 30 N
LONG 100 36 26 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PLUM LAKE NEAR FINDLAY - STATION NO. 05NE009

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	428.958	---	428.771	428.604	428.401	---	---	---	1
2	---	---	---	---	428.960	---	428.768	428.602	428.399	---	---	---	2
3	---	---	---	---	428.964	---	428.759	428.591	428.403	---	---	---	3
4	---	---	---	---	428.963	---	428.752	428.589	428.393	---	---	---	4
5	---	---	---	428.648A	428.965	---	428.742	428.581	428.383	---	---	---	5
6	---	---	---	428.832	428.965	---	428.737	428.572	428.382	---	---	---	6
7	---	---	---	428.827	428.970	---	428.744	428.589	428.395	---	---	---	7
8	---	---	---	428.833	428.968	---	428.738	428.581	428.392	---	---	---	8
9	---	---	---	428.829	428.960	---	428.731	428.585	428.387	---	---	---	9
10	---	---	---	428.838	428.970	---	428.727	428.545	428.391	---	---	---	10
11	---	---	---	428.838	428.985	---	428.718	428.537	428.382	---	---	---	11
12	---	---	---	428.882	428.951	---	428.717	428.528	428.402	---	---	---	12
13	---	---	---	428.883	428.953	428.835	428.728	428.526	428.408	---	---	---	13
14	---	---	---	428.882	428.944	428.827	428.717	428.525	428.404	---	---	---	14
15	---	---	---	428.878	---	428.834	428.708	428.515	428.404	---	---	---	15
16	---	---	---	428.878	---	428.826	428.701	428.507	428.398	---	---	---	16
17	---	---	---	428.878	---	428.842	428.882	428.508	428.401	---	---	---	17
18	---	---	---	428.879	---	428.828	428.684	428.500	428.394	---	---	---	18
19	---	---	---	428.879	---	428.817	428.674	428.490	428.400	---	---	---	19
20	---	---	---	428.881	---	428.813	428.892	428.487	428.381	---	---	---	20
21	---	---	---	428.889	---	428.814	428.881	428.473	428.384	---	---	---	21
22	---	---	---	428.894	---	428.824	428.885	428.470	428.414	---	---	---	22
23	---	---	---	428.894	428.897A	428.811	428.850	428.482	428.390	---	---	---	23
24	---	---	---	428.898	---	428.803	428.844	428.459	428.385	428.434A	---	---	24
25	---	---	---	428.891	---	428.807	428.838	428.458	428.388	---	---	---	25
26	---	---	---	428.890	---	428.795	428.829	428.453	---	---	---	---	26
27	---	---	---	428.923	---	428.795	428.822	428.444	---	---	---	---	27
28	---	---	---	428.951	---	428.786	428.813	428.442	---	---	---	---	28
29	---	---	---	428.953	---	428.780	428.806	428.452	---	---	---	---	29
30	---		---	428.957	---	428.777	428.810	428.428	---	---	---	---	30
31	---		---		---		428.809	428.405		---		---	31
MEAN	---	---	---	---	---	---	428.891	428.511	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	428.771	428.604	---	---	---	---	MAX
MIN	---	---	---	---	---	---	428.806	428.405	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 45 N
LONG 100 43 08 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
5 150 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

PLUM RIVER NEAR ROSENFELD - STATION NO 05DC018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1 16 B	0 068	0	0	0	0	0	---	---	1
2	---	---	0 B	1 06 B	0 059	0	0 005	0	0	0	---	---	2
3	---	---	0 B	1 11 B	0 053	0	0 007	0	0	0	---	---	3
4	---	---	0 B	0 7038	0 046	0	0 001	0	0	0	---	---	4
5	---	---	0 B	0 6028	0 040	0	0	0	0	0	---	---	5
6	---	---	0 B	0 5588	0 038	0	0	0	0	0	---	---	6
7	---	---	0 B	0 487	0 035	0	0	0	0	0	---	---	7
8	---	---	0 B	0 376	0 031	0 032	0	0	0	0	---	---	8
9	---	---	0 B	0 283	0 029	0 071	0	0	0	0	---	---	9
10	---	---	0 B	0 222	0 025	0 053	0	0	0	0	---	---	10
11	---	---	0 B	0 210	0 020	0 108	0	0	0	0	---	---	11
12	---	---	0 B	0 204	0 020	0 097	0	0	0	0	---	---	12
13	---	---	0 B	0 183	0 021	0 073	0	0	0	0	---	---	13
14	---	---	0 B	0 158	0 017	0 053	0	0	0	0	---	---	14
15	---	---	0 B	0 140	0 015	0 038	0	0	0	0	---	---	15
16	---	---	0 B	0 124	0 011	0 027	0	0	0	0	---	---	16
17	---	---	0 B	0 108	0 006	0 018	0	0	0	0	---	---	17
18	---	---	0 B	0 098	0 004	0 013	0	0	0	0 011	---	---	18
19	---	---	0 B	0 088	0 002	0 008	0	0	0	0 054	---	---	19
20	---	---	0 B	0 080	0 002	0 001	0	0	0	0 038	---	---	20
21	---	---	0 B	0 073	0 003	0	0	0	0	0 018	---	---	21
22	---	---	0 B	0 067	0 001	0	0 A	0	0	0 042	---	---	22
23	---	---	0 B	0 062	0	0	0 E	0	0	0 053	---	---	23
24	---	---	0 B	0 061	0	0	0 E	0	0	0 036	---	---	24
25	---	---	0 B	0 060	0	0	0 E	0	0	0 018	---	---	25
26	---	---	0 B	0 063	0	0	0 E	0	0	0 005	---	---	26
27	---	---	0 0218	0 075	0	0	0 A	0	0	0 002	---	---	27
28	---	---	0 1008	0 070	0	0	0	0	0	0 0028	---	---	28
29	---	---	0 3678	0 067	0	0	0	0	0	0 0039	---	---	29
30	---		1 36 B	0 069	0	0	0	0	0	0 0018	---	---	30
31	---		1 87 B		0		0	0		0 0018		---	31
TOTAL	---	---	3 638	8 851	0 547	0 501	0 013	0	0	0 281	---	---	TOTAL
MEAN	---	---	0 114	0 285	0 018	0 020	0	0	0	0 009	---	---	MEAN
MAX	---	---	1 87	1 16	0 068	0 108	0 007	0	0	0 054	---	---	MAX
MIN	---	---	0	0 060	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 058
MAXIMUM DAILY, 1 870 ON MAR 31
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2 280 AT 15 10 CST ON MAR 31

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 30 N
LONG 97 24 00 W
DRAINAGE AREA, 782 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 12
FEB	---	AUG	0
MAR	308	SEP	0
APR	765	OCT	24 3
MAY	47 3	NOV	---
JUN	51 9	DEC	---

TOTAL DISCHARGE, 1 200 dam³

POPLAR RIVER AT OUTLET OF WEAVER LAKE - STATION NO. 05RE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.8E	12.9E	12.4E	11.7	33.4	85.0	50.2	30.3	14.5	13.6	27.3	26.9E	1
2	13.8E	12.9E	12.3E	11.8	34.8	83.9	49.6	29.3	14.6	13.5	27.5	26.3E	2
3	13.8E	12.9E	12.2E	11.8	36.5	86.5	47.7	28.0	14.9	13.8	27.8	26.1E	3
4	13.8E	12.9E	12.2E	11.8	38.4	88.3	46.2	26.8	14.9	14.3	27.8	25.8E	4
5	13.8E	12.9E	12.1E	11.8	39.9	84.8	50.1	27.9	15.1	14.0	27.9	25.6E	5
6	13.8E	13.0E	11.9E	12.0	42.2	83.5	48.7	30.3	14.8	13.8	27.8	25.4E	6
7	13.8E	13.0E	11.9E	12.1	42.9	82.3	50.3	29.5	15.5	13.8	27.7	25.2E	7
8	13.8E	13.0E	11.8E	12.4	44.9	81.2	50.0	27.6	15.4	13.8	27.6	25.0E	8
9	13.8E	13.0E	11.8E	12.8	48.3	88.9	48.8	27.3	14.8	13.7	27.8	24.8E	9
10	13.8E	13.0E	11.8E	13.2	50.5	87.2	48.4	26.8	14.8	13.8	27.5	24.7E	10
11	13.7E	13.1E	11.8E	13.8	51.5	85.3	48.0	26.0	14.3	14.3	27.4	24.6E	11
12	13.7E	13.1E	11.8E	14.5	53.8	88.8A	48.4	26.1	14.3	14.7	27.2	24.4E	12
13	13.8E	13.1E	11.8E	15.2	55.7	92.8	49.2	24.8	13.9	14.6	27.1	24.3E	13
14	13.8E	13.1E	11.9E	15.9	57.6	91.1	47.7	22.8	13.6	14.7	26.9	24.1E	14
15	13.8E	13.1E	12.0E	16.7	58.6	90.2	47.3	22.2	13.2	15.6	27.3	24.0E	15
16	13.9E	13.1E	12.0E	17.5	58.7	88.5	46.7	22.1	13.7	17.3	27.2A	23.8E	16
17	13.9E	13.1E	12.0E	16.4	56.3	88.8	46.5	21.1	13.8	16.5	27.0E	23.6E	17
18	13.4E	13.0E	12.0E	16.2	55.A	87.5	44.3	21.0	12.8	16.0	26.8E	23.6E	18
19	13.4E	13.0E	12.0E	20.0	61.0	87.2	43.8	20.5	12.7	15.5	26.6E	23.5E	19
20	13.4E	12.9E	12.1E	20.7	61.8	87.0	43.3	19.4	12.8	20.1	26.5E	23.4E	20
21	13.3E	12.9E	12.0E	21.2	58.0	86.9	42.4	19.1	14.3	20.8	26.4E	23.3E	21
22	13.3E	12.8E	12.0E	21.9	61.6	87.9	40.0	19.0	13.8	21.4	26.4E	23.1E	22
23	13.3E	12.8E	11.9E	22.5	63.1	88.0	39.8	18.8	13.2	22.1	26.5E	22.8E	23
24	13.2E	12.7E	12.0E	23.7	66.1	89.9	39.1	18.4	13.4	23.7	26.7E	22.7E	24
25	13.2E	12.6E	11.8E	25.1	65.0	90.8	38.8	18.0	13.3	24.5	26.8E	22.6E	25
26	13.1E	12.8E	12.0E	26.9	68.1	91.2	37.7	17.1	13.3	24.4	26.8E	22.5E	26
27	13.1E	12.9E	11.7A	29.2	65.1	92.8	35.9	17.3	13.2	24.5	27.0E	22.3E	27
28	13.0E	12.9E	11.8	26.5	64.8	92.9	34.5	16.2	13.3	25.6	26.8E	22.2E	28
29	13.0E	12.4E	11.8	29.8	64.5	91.6	33.3	14.9	13.6	26.3	26.7E	22.1E	29
30	13.0E		11.8	31.7	65.0	90.7	32.3	15.2	13.6	26.7	26.5E	22.0E	30
31	12.9E		11.7		64.0		31.5	14.6		27.1		21.9E	31
TOTAL	417.8	373.9	370.4	583.8	1 884.4	1 843.8	1 387.3	697.3	419.1	570.6	813.4	742.8	TOTAL
MEAN	13.5	12.9	11.9	18.5	54.3	84.8	44.1	22.5	14.0	18.4	27.1	24.0	MEAN
MAX	13.8	13.1	12.4	31.7	66.1	88.5	50.3	30.3	15.5	27.1	27.9	26.9	MAX
MIN	12.9	12.4	11.7	11.7	33.4	46.8	31.5	14.5	12.7	13.5	26.4	21.9	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 26.4
MAXIMUM DAILY, 88.5 ON JUN 3
MINIMUM DAILY, 11.7A ON MAR 27
MAXIMUM INSTANTANEOUS,
93.8 AT 22:11 CST ON MAY 31

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 45 40 N
LONG 98 45 10 W
DRAINAGE AREA, 6 780 km²
A - MANUAL GAUGE

E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	39 100	JUL	116 000
FEB	32 300	AUG	80 200
MAR	32 000	SEP	36 200
APR	47 900	OCT	49 300
MAY	148 000	NOV	70 300
JUN	142 000	DEC	64 200

TOTAL DISCHARGE, 835 000 dam³

PORTAGE DIVERSION NEAR PORTAGE LA PRAIRIE - STATION NO. 05LL019

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	---	---	---	---	---	---	1
2	---	---	0	0	0	0	---	---	---	---	---	---	2
3	---	---	0	0	0	0	---	---	---	---	---	---	3
4	---	---	0	0	0	0	---	---	---	---	---	---	4
5	---	---	0	0	0	0	---	---	---	---	---	---	5
6	---	---	0	0	0	0	---	---	---	---	---	---	6
7	---	---	0	0	0	0	---	---	---	---	---	---	7
8	---	---	0	0	0	0	---	---	---	---	---	---	8
9	---	---	0	0	0	0	---	---	---	---	---	---	9
10	---	---	0	0	0	0	---	---	---	---	---	---	10
11	---	---	0	0	0	0	---	---	---	---	---	---	11
12	---	---	0	0	0	0	---	---	---	---	---	---	12
13	---	---	0	0	0	0	---	---	---	---	---	---	13
14	---	---	0	0	0	0	---	---	---	---	---	---	14
15	---	---	0	0	0	0	---	---	---	---	---	---	15
16	---	---	0	0	0	0	---	---	---	---	---	---	16
17	---	---	0	0	0	0	---	---	---	---	---	---	17
18	---	---	0	0	0	0	---	---	---	---	---	---	18
19	---	---	0	0	0	0	---	---	---	---	---	---	19
20	---	---	0	0	0	0	---	---	---	---	---	---	20
21	---	---	0	0	0	0	---	---	---	---	---	---	21
22	---	---	0	0	0	0	---	---	---	---	---	---	22
23	---	---	0	0	0	0	---	---	---	---	---	---	23
24	---	---	0	0	0	0	---	---	---	---	---	---	24
25	---	---	0	0	0	0	---	---	---	---	---	---	25
26	---	---	0	0	0	0	---	---	---	---	---	---	26
27	---	---	0	0	0	0	---	---	---	---	---	---	27
28	---	---	0	0	0	0	---	---	---	---	---	---	28
29	---	---	0	0	0	0	---	---	---	---	---	---	29
30	---	---	0	0	0	0	---	---	---	---	---	---	30
31	---		0		0		---	---		---	---	---	31
TOTAL	---	---	0	0	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0	0	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0	0	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 58 00 N
LONG 98 22 30 W

REGULATED SINCE 1970

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	0	SEP	---
APR	0	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam³

PORTAGE RESERVOIR NEAR PORTAGE LA PRAIRIE - STATION NO. 05MJ005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	260.570E	260.589	260.736	260.705	264.606A	264.811	264.633E	264.741A	264.518	264.080	262.334	260.617	1
2	260.578E	260.623	260.724	260.724	264.652A	264.804	264.628E	264.718A	264.520	264.003	262.118	260.615	2
3	260.585E	260.672	260.651	261.007	264.688A	264.803	264.621E	264.706	264.519	263.909	261.880	260.663	3
4	260.594E	260.707	260.632	261.533	264.685E	264.805	264.612A	264.695	264.518	263.815	262.053	260.673	4
5	260.600E	260.708	260.741	261.601	264.705E	264.805	264.607	264.686	264.527	263.736	262.061	260.683	5
6	260.603E	260.720	260.675	261.690A	264.735E	264.811	264.606	264.680	264.532	263.727	262.201	260.636	6
7	260.604E	260.722	260.740	261.685E	264.767E	264.836	264.618	264.673	264.533	263.718	262.488	260.634	7
8	260.606E	260.726	260.684	261.610E	264.783E	264.838	264.637	264.656	264.532	263.959	262.888	260.668	8
9	260.606E	260.675	260.612	261.650E	264.817A	264.824	264.643	264.626	264.525	263.581	262.823	260.658	9
10	260.610E	260.644	260.610	261.698E	264.881	264.806	264.651	264.637	264.525	263.413	262.885	260.627	10
11	260.613A	260.782	260.698	261.736A	264.888	264.699	264.688	264.634	264.527	263.284	262.888	260.647	11
12	260.606A	260.626	260.685	261.741	264.870	264.667	264.695	264.632	264.555	263.167	262.898	260.651	12
13	260.613	260.712	260.623	261.741	264.875	264.676	264.854	264.626	264.580	263.070	263.873	260.394	13
14	260.609	260.721	260.673	261.728	264.885	264.676	264.848	264.623	264.585	262.971	262.768	260.356	14
15	260.597	260.783	260.683	261.721	264.894	264.678	264.838	264.607	264.586	262.888	262.436	260.388	15
16	260.587	260.726	260.677	261.682	264.907	264.672	264.832	264.601	264.582	262.824A	262.084	260.583	16
17	260.611	260.768	260.685	262.548	264.918	264.689	264.825	264.603	264.589	262.740E	261.856	260.655	17
18	260.606	260.773	260.600	263.034	264.894	264.640	264.818	264.618	264.605	262.694A	261.515	260.681	18
19	260.589	260.752	260.734	263.313	264.890	264.629	264.813	264.627	264.601	262.587	260.974A	260.606	19
20	260.600	260.623	260.644	263.585	264.894	264.631	264.804	264.625	264.594	262.588	261.210A	260.642	20
21	260.574	260.708	260.686	263.746	264.908	264.640	264.820	264.608	264.576	262.600	261.178	260.620	21
22	260.568	260.777	260.653	263.813	264.911	264.631	264.822	264.589	264.589	262.402E	261.059	260.768	22
23	260.578	260.787	260.645	264.001	264.913	264.602	264.810	264.584	264.584	262.303E	261.017	260.720	23
24	260.600	260.818	260.671	264.087	264.918	264.784	264.802	264.580	264.512	262.390E	261.250	260.690	24
25	260.632	260.877	260.952	264.197	264.909	264.779	264.804	264.581	264.418	262.602E	261.354	260.884	25
26	260.654	260.777	261.003	264.304A	264.902	264.804	264.802	264.587	264.362	262.760E	261.244	260.354	26
27	260.657	260.738	260.992	264.400E	264.900	264.824A	264.800	264.583	264.301	262.740E	260.845	260.588	27
28	260.656	260.682	260.898	264.483E	264.904	264.832E	264.785	264.586	264.234	262.701E	260.655	260.855	28
29	260.647	260.646	261.064	264.532E	264.907	264.840E	264.781	264.567	264.185	262.644E	260.848	260.627	29
30	260.618		260.857	264.573E	264.910	264.838E	264.770	264.528	264.132	262.548E	260.781	260.882	30
31	260.600		260.758		264.918		264.752	264.521		262.484A		260.711	31
MEAN	260.606	260.738	260.785	262.631	264.844	264.685	264.620	264.623	264.498	263.051	261.853	260.604	MEAN
MAX	260.657	260.877	261.064	264.573	264.918	264.836	264.859	264.741	264.605	264.080	262.899	260.827	MAX
MIN	260.568	260.589	260.598	260.705	264.606	264.779	264.752	264.521	264.132	262.303	260.781	260.354	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 262.628
MAXIMUM DAILY, 264.836 ON JUN 7
MINIMUM DAILY, 260.354 ON DEC 26
MAXIMUM INSTANTANEOUS,
264.930 AT 11:30 CST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 10 N
LONG 98 20 10 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED SINCE 1970

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RAT RIVER NEAR OTTERBURNE - STATION NO. 05OE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.025B	0 B	0.005B	4.58B	2.27	0.813	4.26	0.557	0.038	0	0.830B	0.353B	1
2	0.026B	0 B	0.005B	5.08B	2.12	0.705	4.04	0.517	0.035	0	0.561B	0.292B	2
3	0.031B	0 B	0.020B	5.18B	1.98	0.609	4.64	0.493	0.032	0	0.530B	0.248B	3
4	0.035B	0 B	0.028B	5.70B	1.98	0.554	4.77	0.397	0.032	0	0.504B	0.203B	4
5	0.038B	0 B	0.028B	5.25B	2.00	0.559	4.08	0.316	0.028	0	0.451B	0.174B	5
6	0.036B	0 B	0.013B	4.85B	1.98	0.571	3.24	0.323	0.024	0	0.430B	0.138B	6
7	0.036B	0 B	0 B	4.35B	1.92	1.51	2.65	0.384	0.020	0	0.442B	0.132B	7
8	0.036B	0 B	0 B	3.80B	1.85	2.61	2.32	0.434	0.018	0	0.471B	0.124B	8
9	0.030B	0 B	0 B	3.30	1.77	8.28	2.70	0.490	0.012	0	0.446B	0.114B	9
10	0.026B	0 B	0 B	3.45	1.70	8.15	5.34	0.436	0.010	0	0.435B	0.105B	10
11	0.023B	0 B	0 B	3.52	1.61	6.08	5.41	0.357	0.004	0	0.411B	0.098B	11
12	0.021B	0 B	0 B	3.68	1.55	4.85	5.55	0.311	0.002	0	0.402B	0.094B	12
13	0.018B	0 B	0 B	3.79	1.58	3.93	4.25	0.287	0.002	0	0.378B	0.078B	13
14	0.013B	0 B	0 B	3.84	1.64	3.81	4.35	0.253	0.002	0	0.368B	0.068B	14
15	0 B	0 B	0 B	3.19	1.69	3.48	4.71	0.226	0.001	0	0.384B	0.072B	15
16	0 B	0 B	0 B	3.90	1.68	3.10	4.81	0.213	0	0	0.362B	0.062B	16
17	0 B	0 B	0 B	2.74	1.63	3.17	4.15	0.184	0	0.084	0.331B	0.063B	17
18	0 B	0 B	0 B	2.77	1.58	3.27	3.46	0.154	0	0.080	0.308B	0.064B	18
19	0 B	0 B	0 B	2.72	1.45	3.18	2.88	0.136	0	0.215	0.273B	0.065B	19
20	0 B	0 B	0 B	2.73	1.39	3.11	2.36	0.159	0	0.271	0.240B	0.068B	20
21	0 B	0 B	0 B	2.75	1.45	3.12	1.98	0.164	0	0.296	0.225B	0.080B	21
22	0 B	0 B	0 B	2.83	1.42	3.28	1.70	0.127	0	0.321	0.210B	0.068B	22
23	0 B	0.001B	0.141B	2.87	1.34	3.57	1.50	0.103	0	0.330	0.207B	0.060B	23
24	0 B	0.004B	0.483B	2.40	1.27	3.78	1.32	0.088	0	0.332	0.212B	0.063B	24
25	0 B	0.014B	0.376B	2.32	1.19	3.80	1.15	0.100	0	0.364	0.244B	0.048B	25
26	0 B	0.026B	0.594B	2.08	1.10	4.05	0.993	0.103	0	0.348	0.319B	0.037B	26
27	0 B	0.026B	1.46 B	2.16	1.01	4.81	0.842	0.084	0	0.395	0.393B	0.037B	27
28	0 B	0.019B	3.12 B	2.52	0.884	5.21	0.766	0.090	0	0.385	0.405B	0.034B	28
29	0 B	0.006B	3.66 B	2.56	0.813	5.39	0.692	0.074	0	0.374	0.458B	0.033B	29
30	0 B		4.19 B	2.44	0.851	4.85	0.626	0.059	0	0.410B	0.415B	0.035B	30
31	0 B		4.32 B		0.898		0.588	0.048		0.568B		0.028B	31
TOTAL	0.388	0.098	18.884	102.89	47.857	104.571	83.041	7.889	0.259	4.744	11.458	3.285	TOTAL
MEAN	0.013	0.003	0.609	3.42	1.54	3.48	3.00	0.248	0.008	0.153	0.382	0.105	MEAN
MAX	0.036	0.026	4.32	5.18	2.27	8.28	5.41	0.557	0.038	0.568	0.830	0.353	MAX
MIN	0	0	0	2.08	0.851	0.554	0.588	0.048	0	0	0.207	0.026	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.08
MAXIMUM DAILY, 8.28 ON JUN 9
MINIMUM DAILY, 0B ON JAN 15
MAXIMUM INSTANTANEOUS,
8.46 AT 18:37 CST ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 42 N
LONG 97 00 26 W
DRAINAGE AREA, 1 350 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	34.5	JUL	8 040
FEB	8.47	AUG	684
MAR	1 600	SEP	22.4
APR	8 670	OCT	410
MAY	4 140	NOV	990
JUN	9 030	DEC	284

TOTAL DISCHARGE, 34 100 dam³

RAT RIVER NEAR ST. MALO - STATION NO. 05DE002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0305	1.488	1.41	0.850	3.65	0.387	0.011	0	---	---	1
2	---	---	0.0305	1.508	1.37	0.882	4.42	0.307	0.010	0	---	---	2
3	---	---	0.0305	1.688	1.47	0.850	4.30	0.283	0.008	0	---	---	3
4	---	---	0.0305	1.918	1.62	0.851	3.80	0.285	0.008	0	---	---	4
5	---	---	0.0305	2.07	1.71	0.801	2.97	0.294	0.008	0	---	---	5
6	---	---	0.0305	2.05	1.86	1.02	2.41	0.385	0.008	0	---	---	6
7	---	---	0.0305	2.01	1.89	1.17	1.99	0.320	0.008	0	---	---	7
8	---	---	0.0305	2.28	1.48	1.71	2.85	0.288	0.008	0	---	---	8
9	---	---	0.0305	2.55	1.42	3.88	6.84	0.282	0.008	0	---	---	9
10	---	---	0.0305	2.48	1.37	2.78	4.87	0.242	0.004	0	---	---	10
11	---	---	0.0305	2.44	1.31	1.88	3.81	0.280	0.002	0	---	---	11
12	---	---	0.0305	2.55	1.35	2.11	3.15	0.329	0.001	0	---	---	12
13	---	---	0.0305	2.38	1.55	2.50	4.12	0.231	0.001	0	---	---	13
14	---	---	0.0305	2.10	1.88	2.43	5.01	0.163	0.001	0	---	---	14
15	---	---	0.0305	1.87	1.85	2.32	5.12	0.099	0.001	0.002	---	---	15
16	---	---	0.0305	1.78	1.84	2.35	4.46	0.093	0	0.005	---	---	16
17	---	---	0.0305	1.90	1.27	2.57	3.84	0.084	0	0.001	---	---	17
18	---	---	0.0305	1.90	1.16	2.84	3.16	0.057	0	0.001	---	---	18
19	---	---	0.0305	1.81	1.08	2.55	2.46	0.053	0	0.002	---	---	19
20	---	---	0.0305	1.81	1.06	2.48	2.00	0.054	0	0.002	---	---	20
21	---	---	0.0638	2.36	1.15	2.81	1.62	0.049	0	0.001	---	---	21
22	---	---	0.0678	2.05	1.09	2.81	1.36	0.042	0	0.001	---	---	22
23	---	---	0.1088	1.84	1.05	2.74	1.13	0.036	0	0.001	---	---	23
24	---	---	0.1388	1.84	1.01	2.86	0.950	0.037	0	0.001	---	---	24
25	---	---	0.2708	1.47	0.907	3.03	0.778	0.037	0	0.001	---	---	25
26	---	---	0.4338	1.40	0.846	3.59	0.645	0.028	0	0.001	---	---	26
27	---	---	0.4388	1.59	0.788	4.15	0.585	0.024	0	0.001	---	---	27
28	---	---	0.5168	1.75	0.780	4.44	0.505	0.020	0	0.143	---	---	28
29	---	---	0.6668	1.63	0.772	4.24	0.488	0.019	0	0.534	---	---	29
30	---		1.72 B	1.53	0.710	3.78	0.434	0.017	0	0.581	---	---	30
31	---		1.62 B		0.700		0.409	0.014		0.597		---	31
TOTAL	---	---	5.861	58.02	38.618	71.074	83.405	4.739	0.082	1.978	---	---	TOTAL
MEAN	---	---	0.221	1.93	1.25	2.37	2.69	0.153	0.003	0.064	---	---	MEAN
MAX	---	---	1.72	2.55	1.71	4.44	6.84	0.385	0.011	0.597	---	---	MAX
MIN	---	---	0.030	1.40	0.700	0.801	0.409	0.014	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.05
MAXIMUM DAILY, 6.84 ON JUL 9
MINIMUM DAILY, 0 ON SEP 16
MAXIMUM INSTANTANEOUS,
7.49 AT 08:29 CST ON JUL 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 04 N
LONG 96 56 39 W
DRAINAGE AREA, 901 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	7 210
FEB	---	AUG	KDS
MAR	593	SEP	7 02
APR	5 010	OCT	171
MAY	3 340	NOV	---
JUN	6 140	DEC	---

TOTAL DISCHARGE, 22 900 dam³

RAT RIVER NEAR SUNDOWN - STATION NO 05DE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.1918	0.0538	0.2008	2.53 B	1.46	0.285	0.942	0.412	0.078	0.007	0.4288	0.4188	1
2	0.1888	0.0548	0.2178	2.25 B	1.28	0.244	0.874	0.403	0.140	0.009	0.3838	0.3348	2
3	0.1988	0.0588	0.2128	2.06 B	1.11	0.212	1.01	0.319	0.128	0.011	0.3648	0.2418	3
4	0.2018	0.0578	0.2048	2.11 B	0.980	0.181	0.859	0.250	0.124	0.195	0.4348	0.1908	4
5	0.2148	0.0688	0.1948	1.98 B	0.882	0.197	0.694	0.191	0.120	0.378	0.3898	0.1308	5
6	0.2128	0.1388	0.1798	1.65 B	0.882	0.342	0.647	0.155	0.098	0.547	0.3798	0.1308	6
7	0.2108	0.1368	0.1678	1.61 B	1.33	1.34	0.451	0.158	0.078	0.847	0.3758	0.1288	7
8	0.2108	0.1228	0.2058	1.44	1.47	3.45	0.521	0.130	0.083	0.798	0.4068	0.1338	8
9	0.2018	0.0848	0.2288	1.42	1.36	8.46	2.10	0.161	0.048	0.897	0.4268	0.1458	9
10	0.1838	0.0648	0.2528	1.38	1.23	11.8	2.84	0.191	0.040	0.851	0.4258	0.1598	10
11	0.1268	0.0598	0.2918	1.40	1.11	15.5	1.85	0.215	0.027	1.02	0.4048	0.1888	11
12	0.1128	0.0638	0.3188	1.81	1.08	13.7	1.31	0.187	0.023	1.06	0.4008	0.1848	12
13	0.1038	0.0688	0.2838	2.39	1.05	10.9	1.05	0.179	0.028	1.10	0.4228	0.1818	13
14	0.0918	0.0888	0.2708	2.42	0.978	8.37	1.10	0.177	0.025	1.16	0.4598	0.1238	14
15	0.0988	0.0788	0.2388	2.34	0.888	8.63	0.990	0.092	0.026	1.36	0.4748	0.1078	15
16	0.0888	0.0918	0.2208	2.18	0.776	5.76	0.768	0.064	0.026	1.58	0.4928	0.1178	16
17	0.0828	0.0888	0.2148	1.82	0.708	5.12	0.693	0.072	0.023	1.82	0.4638	0.1168	17
18	0.0818	0.1168	0.1988	1.52	0.837	4.53	0.850	0.045	0.024	1.90	0.4138	0.1208	18
19	0.0888	0.1388	0.1888	1.32	0.588	3.71	0.836	0.085	0.023	1.83	0.3778	0.1218	19
20	0.0818	0.1658	0.1758	1.16	0.521	2.82	0.432	0.054	0.019	1.76	0.3488	0.1158	20
21	0.0558	0.1788	0.1708	1.11	0.885	2.26	0.386	0.038	0.011	1.80	0.3588	0.1108	21
22	0.0498	0.2268	0.1588	0.987	0.844	2.00	0.387	0.036	0.008	1.72	0.3758	0.1088	22
23	0.0488	0.3248	0.1508	0.881	0.750	1.65	0.332	0.051	0.002	1.41	0.3888	0.0988	23
24	0.0528	0.3748	0.2768	0.918	0.804	1.50	0.274	0.046	0	1.19	0.4058	0.0858	24
25	0.0498	0.2888	0.5588	0.842	0.584	1.22	0.242	0.051	0.001	0.885	0.4858	0.0788	25
26	0.0518	0.1788	1.17 B	0.816	0.581	1.18	0.229	0.105	0.001	0.801	0.5878	0.0718	25
27	0.0568	0.1858	1.42 B	1.02	0.650	2.14	0.244	0.068	0.005	0.711	0.5788	0.0688	27
28	0.0578	0.1888	1.59 B	1.44	0.854	2.00	0.270	0.087	0.011	0.652	0.6088	0.0678	28
29	0.0558	0.1888	2.28 B	1.48	0.650	1.58	0.254	0.034	0.012	0.575	0.5388	0.0688	29
30	0.0528		2.70 B	1.48	0.387	1.13	0.280	0.031	0.011	0.5188	0.5018	0.0678	30
31	0.0548		2.83 B		0.342		0.388	0.048		0.4818		0.0588	31
TOTAL	3.501	3.832	17.883	47.448	26.832	120.101	23.421	4.187	1.228	28.982	13.150	4.232	TOTAL
MEAN	0.113	0.132	0.577	1.58	0.866	4.00	0.756	0.134	0.041	0.935	0.438	0.136	MEAN
MAX	0.218	0.374	2.83	2.53	1.47	15.5	2.84	0.412	0.140	1.80	0.575	0.418	MAX
MIN	0.048	0.053	0.150	0.816	0.342	0.181	0.229	0.031	0	0.007	0.348	0.087	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.805
MAXIMUM DAILY, 15.5 ON JUN 11
MINIMUM DAILY, 0 ON SEP 24
MAXIMUM INSTANTANEOUS,
16.3 AT 13:16 CST ON JUN 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 12 35 N
LONG 96 17 00 W
DRAINAGE AREA, 614 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	302	JUL	2 020
FEB	331	AUG	388
MAR	1 550	SEP	108
APR	4 100	OCT	2 500
MAY	3 330	NOV	1 140
JUN	10 400	DEC	385

TOTAL DISCHARGE, 25 900 dam³

RED DEER LAKE NEAR BARROWS - STATION NO. 05LC003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	281.836	281.788	281.732	281.717	282.630	283.078	283.000	282.385	281.934	281.815	281.913	281.889	1
2	281.837	281.780	281.721	281.728	282.652	283.078	282.972	282.345	281.918	281.816	281.926	281.893	2
3	281.832	281.785	281.720	281.738	282.686	283.093	282.940	282.322	281.905	281.841	281.929	281.892	3
4	281.832	281.776	281.725	281.764	282.672	283.106	282.929	282.304	281.911	281.888	281.929	281.892	4
5	281.829	281.787	281.721	281.778	282.684	283.094	282.914	282.297	281.915	281.839	281.927	281.888	5
6	281.824	281.774	281.718	281.803	282.686	283.085	282.889	282.302	281.915	281.828	281.924	281.883	6
7	281.819	281.778	281.716	281.830	282.678	283.068	282.867	282.258	281.905	281.835	281.926	281.888	7
8	281.817E	281.778	281.708	281.853	282.678	283.108	282.847	282.233	281.940	281.828	281.921	281.889	8
9	281.816A	281.773	281.710	281.893	282.698	283.113	282.782	282.267	281.918	281.822	281.914	281.886	9
10	281.814	281.770	281.708	281.920	282.816	283.123	282.772	282.233	281.886	281.836	281.913	281.886	10
11	281.809	281.788	281.704	281.952	282.812	283.188	282.748	282.228	281.869	281.864	281.908	281.872	11
12	281.805	281.788	281.704	281.978	282.824	283.204	282.745	282.208	281.931	281.850	281.912	281.872	12
13	281.807	281.780	281.701	282.021	282.834	283.208	282.726	282.204	281.885	281.817	281.904	281.884	13
14	281.798	281.784	281.702	282.055	282.886	283.210	282.683	282.145	281.882	281.817	281.900	281.886	14
15	281.789	281.787	281.698	282.083	282.881	283.213	282.699	282.183	281.885	281.834	281.897	281.872	15
16	281.788	281.783	281.704	282.114	282.885	283.201	282.648	282.141	281.882	281.878	281.894	281.867	16
17	281.783	281.785	281.701	282.143	282.892	283.190	282.639	282.115	281.889	281.844	281.897	281.867	17
18	281.781	281.781	281.702	282.186	282.883	283.176	282.612	282.109	281.838	281.897	281.904	281.859	18
19	281.786	281.745	281.704	282.185	282.862	283.174	282.592	282.086	281.831	281.913	281.902	281.857	19
20	281.788	281.780	281.702	282.202	282.888	283.190	282.582	282.020	281.848	281.917	281.895	281.850	20
21	281.782	281.780	281.703	282.214	282.878	283.187	282.542	282.086	282.012	281.902	281.893	281.853	21
22	281.781	281.742	281.702	282.228	282.788	283.152	282.502	282.050	282.008	281.886	281.890	281.853	22
23	281.783	281.734	281.707	282.234	282.685	283.134	282.511	282.058	281.977	281.908	281.887	281.848	23
24	281.781	281.726	281.706	282.251	282.622	283.138	282.500	282.040	281.884	281.948	281.887	281.850	24
25	281.778	281.726	281.707	282.305	282.537	283.118	282.481	282.026	281.852	281.918	281.886	281.856	25
26	281.781	281.734	281.712	282.335	282.587	283.100	282.473	282.001	281.830	281.910	281.888	281.858	26
27	281.780	281.730	281.717	282.384	283.036	283.100	282.481	282.008	281.805	281.920	281.897	281.846	27
28	281.783	281.730	281.720	282.388	283.074	283.091	282.434	281.909	281.808	281.915	281.901	281.848	28
29	281.787	281.731	281.713	282.388	283.101	283.071	282.424	281.818	281.827	281.918	281.902	281.853	29
30	281.788		281.712	282.410	283.123	283.028	282.403	281.667	281.838	281.913	281.904	281.845	30
31	281.790		281.718		283.108		282.378	281.923		281.920		281.848	31
MEAN	281.803	281.758	281.710	282.088	282.880	283.132	282.888	282.132	281.884	281.871	281.906	281.868	MEAN
MAX	281.838	281.788	281.732	282.410	283.123	283.213	283.009	282.385	282.012	281.945	281.929	281.889	MAX
MIN	281.778	281.726	281.698	281.717	282.630	283.028	282.378	281.818	281.805	281.815	281.885	281.845	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 282.124
MAXIMUM DAILY, 283.213 ON JUN 15
MINIMUM DAILY, 281.698 ON MAR 15
MAXIMUM INSTANTANEOUS,
283.256 AT 16 09 CST ON JUN 15

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1913 ADJ.)

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 53 40 N
LONG 101 27 50 W

A - MANUAL GAUGE
E - ESTIMATED

NATURAL FLOW

DRAINAGE AREA,
14 000 km²

RED DEER RIVER NEAR THE MOUTH, LAKE WINNIPEGOSIS - STATION NO. 05LC004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.118	7.818	6.888	9.178	58.5	140	118	48.8	17.9	15.7	20.88	17.18	1
2	5.518	7.788	6.638	8.458	59.4	145	117	47.3	17.8	16.0	20.58	16.98	2
3	5.729	7.748	6.608	10.28	60.1	139	116	45.8	16.3	14.3	20.38	16.68	3
4	7.788	7.708	6.588	11.18	60.0	130	108	44.6	17.6	11.9	20.35	16.48	4
5	8.888	7.688	6.538	12.08	60.9	129	104	44.4	16.4	12.2	20.18	16.38	5
6	9.788	7.628	6.508	12.68	61.8	135	98.7	43.5	14.6	14.8	20.08	16.18	6
7	10.38	7.598	6.478	14.3	63.6	137	96.0	44.2	16.2	14.1	20.08	16.08	7
8	10.58	7.558	6.448	15.6	61.4	138	98.7	43.1	16.0	14.1	19.88	15.88	8
9	8.788	7.518	6.418	16.8	56.3	142	96.4	39.6	17.2	14.7	19.78	15.88	9
10	8.748	7.478	6.388	18.6	58.6	148	90.7	35.1	16.6	14.6	19.78	15.48	10
11	8.708	7.438	6.358	20.6	57.3	151	88.6	36.6	15.8	12.6	19.58	15.28	11
12	8.858	7.408	6.328	23.2	58.6	148	82.7	36.6	15.6	13.6	19.58	15.18	12
13	8.618	7.388	6.288	26.1	70.0	150	81.4	32.4	17.7	14.7	19.48	14.98	13
14	8.578	7.288	6.258	28.3	67.2	148	88.1	36.0	17.3	14.8	19.28	14.88	14
15	8.508	7.218	6.198	32.6	68.9	145	81.1	30.6	15.7	21.5	19.18	14.48	15
16	8.428	7.178	6.168	34.2	66.6	146	84.2	31.1	16.0	20.6	18.98	14.28	17
17	8.388	7.138	6.138	34.1	61.6	148	78.1	30.0	17.1	19.5	18.98	14.08	18
18	8.388	7.088	6.328	34.6	63.5	142	71.4	28.9	16.2	21.9	18.68	13.98	19
20	8.318	7.058	6.588	35.4	66.2	137	66.1	32.2	15.7	22.1	18.78	13.78	20
21	8.278	7.028	6.688	36.8	106	139	66.6	28.7	20.5	21.8	18.88	13.68	21
22	8.238	6.988	6.888	37.8	106	141	71.7	26.6	26.2A	20.5	18.58	13.48	22
23	8.198	6.948	7.088	38.8	106	148	67.0	24.7	20.9	22.4	18.48	13.38	23
24	8.158	8.908	7.328	38.6	113	137	63.2	35.1	18.2	20.6	18.38	13.18	24
25	8.128	8.868	7.588	45.3	121	137	60.8	23.8	18.7	20.0	18.28	13.08	25
26	8.088	8.828	7.748	49.6	125	138	58.0	25.2	18.4	21.8	18.18	12.98	25
27	8.048	8.788	7.878	51.6	128	138	56.6	23.3	18.7	21.5	17.98	12.78	27
28	8.008	8.788	8.108	55.0	132	136	55.1	29.0	18.4	14.4	17.78	12.88	28
29	7.978	8.888	8.428	53.7	135	133	54.1	33.3	18.7	20.5	17.48	13.48	29
30	7.938		8.588	57.2	138	131	53.0	35.2	18.0	20.88	17.38	12.38	30
31	7.888		8.888		139		51.0	30.7		20.88		12.18	31
TOTAL	258.06	210.68	213.28	898.32	2 703.7	4 171	2 504.5	1 082.7	527.0	548.4	572.6	448.4	TOTAL
MEAN	8.28	7.28	6.88	28.8	87.2	139	80.8	34.3	17.8	17.7	19.1	14.5	MEAN
MAX	10.5	7.81	8.88	57.2	139	151	118	48.8	26.2	22.4	20.8	17.1	MAX
MIN	5.11	6.88	6.13	9.17	58.3	121	51.0	30.7	16.6	11.9	17.3	12.1	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 38.8
MAXIMUM DAILY, 151 ON JUN 11
MINIMUM DAILY, 5.118 ON JAN 1
MAXIMUM INSTANTANEOUS,
161 AT 00:52 CST ON JUN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 52 45 N
LONG 101 02 35 W
DRAINAGE AREA, 14 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	23 100	JUL	216 000
FEB	16 200	AUG	81 300
MAR	18 400	SEP	45 500
APR	77 400	OCT	47 400
MAY	234 000	NOV	49 500
JUN	360 000	DEC	38 700

TOTAL DISCHARGE, 1 220 000 dam³

RED RIVER ABOVE FLOODWAY CONTROL STRUCTURE - STATION NO. 05OC021

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	222.855	225.216	224.037	223.833	224.306	---	---	---	---	---	1
2	---	---	222.909	225.575	224.055	223.803	224.251	---	---	---	---	---	2
3	---	---	222.973	226.057	224.098	223.758	224.221	---	---	---	---	---	3
4	---	---	223.029	226.170	224.123	223.772	224.210	---	---	---	---	---	4
5	---	---	223.078	226.868	224.134	223.816	---	---	---	---	---	---	5
6	---	---	223.123	227.477	224.122	223.844	---	---	---	---	---	---	6
7	---	---	223.145	228.093	224.112	223.833	---	---	---	---	---	---	7
8	---	---	223.170	227.982	224.085	223.827	---	---	---	---	---	---	8
9	---	---	223.192	227.879	224.056	223.875	---	---	---	---	---	---	9
10	---	---	223.220	227.788	224.036	223.948	---	---	---	---	---	---	10
11	---	---	223.250	227.742	224.018	224.103	---	---	---	---	---	---	11
12	---	---	223.285	227.712	224.018	224.622	---	---	---	---	---	---	12
13	---	---	223.288	227.687	224.030	225.185	---	---	---	---	---	---	13
14	---	---	223.287	227.801	224.034	225.830	---	---	---	---	---	---	14
15	---	---	223.265	227.900	224.011	226.010	---	---	---	---	---	---	15
16	---	---	223.233	227.378	223.997	226.302	---	---	---	---	---	---	16
17	---	---	223.188	227.218	223.981	226.527	---	---	---	---	---	---	17
18	---	---	223.158	227.107	223.962	226.789	---	---	---	---	---	---	18
19	---	---	223.121	226.745	223.952	226.802	---	---	---	---	---	---	19
20	---	---	223.084	226.448	223.936	226.836	---	---	---	---	---	---	20
21	---	---	223.054	226.114	223.934	226.914	---	---	---	---	---	---	21
22	---	---	223.037	225.758	223.914	226.892	---	---	---	---	---	---	22
23	---	222.780	223.019	225.388	223.902	226.744	---	---	---	---	---	---	23
24	---	222.775	223.001	225.025	223.888	226.510	---	---	---	---	---	---	24
25	---	222.768	222.977	224.894	223.872	226.188	---	---	---	---	---	---	25
26	---	222.782	222.965	224.613	223.853	225.794	---	---	---	---	---	---	26
27	---	222.771	223.001	224.243	223.855	225.354	---	---	---	---	---	---	27
28	---	222.783	223.131	224.146	223.860	224.932	---	---	---	---	---	---	28
29	---	222.817	223.410	224.065	223.831	224.582	---	---	---	---	---	---	29
30	---		224.054	224.055	223.813	224.400	---	---	---	---	---	---	30
31	---		224.725		223.803		---	---		---		---	31
MEAN	---	---	223.199	226.318	223.977	225.190	---	---	---	---	---	---	MEAN
MAX	---	---	224.725	228.093	224.134	226.936	---	---	---	---	---	---	MAX
MIN	---	---	222.855	224.055	223.803	223.758	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 10 N
LONG 97 08 00 W

MAXIMUM DAILY, 228.093 ON APR 7

MAXIMUM INSTANTANEOUS,
228.243 AT 20:48 CST ON APR 6

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

RED RIVER ABOVE RED RIVER FLOODWAY - STATION NO 05OC026

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	225.393A	---	---	---	---	---	---	---	---	1
2	---	---	---	225.746	---	---	---	---	---	---	---	---	2
3	---	---	---	226.036	---	---	---	---	---	---	---	---	3
4	---	---	---	226.356	---	---	---	---	---	---	---	---	4
5	---	---	---	226.752	---	---	---	---	---	---	---	---	5
6	---	---	---	227.174	---	---	---	---	---	---	---	---	6
7	---	---	---	226.256	---	---	---	---	---	---	---	---	7
8	---	---	---	226.145	---	---	---	---	---	---	---	---	8
9	---	---	---	226.033	---	---	---	---	---	---	---	---	9
10	---	---	---	227.943	---	---	---	---	---	---	---	---	10
11	---	---	---	227.885	---	---	---	---	---	---	---	---	11
12	---	---	---	227.864	---	---	---	---	---	---	---	---	12
13	---	---	---	227.814	---	226.300A	---	---	---	---	---	---	13
14	---	---	---	227.744	---	225.735	---	---	---	---	---	---	14
15	---	---	---	227.644	---	226.120	---	---	---	---	---	---	15
16	---	---	---	227.514	---	226.415	---	---	---	---	---	---	16
17	---	---	---	227.365	---	226.728	---	---	---	---	---	---	17
18	---	---	---	227.134	---	226.893	---	---	---	---	---	---	18
19	---	---	---	226.871	---	227.005	---	---	---	---	---	---	19
20	---	---	---	226.587	---	227.029	---	---	---	---	---	---	20
21	---	---	---	226.224	---	227.008	---	---	---	---	---	---	21
22	---	---	---	225.851	---	226.987	---	---	---	---	---	---	22
23	---	---	---	225.471	---	226.835	---	---	---	---	---	---	23
24	---	---	---	225.268A	---	226.801	---	---	---	---	---	---	24
25	---	---	---	---	---	226.271	---	---	---	---	---	---	25
26	---	---	---	---	---	225.871	---	---	---	---	---	---	26
27	---	---	---	---	---	225.488A	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

A - MANUAL GAUGE

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 43 26 N
LONG 97 07 49 W

MAXIMUM DAILY, 228.295 ON APR 7

MAXIMUM INSTANTANEOUS,
228.403 AT 20:31 CST ON APR 6

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ.)

RED RIVER AT EMERSON - STATION NO. 05OC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	41.88	35.88	55.78	3818	159	74.4	135	58.7	31.2	22.8	105	49.78	1
2	41.88	35.88	59.88	4498	158	72.0	135	55.3	30.5	21.3	92.08	50.28	2
3	41.58	35.88	62.18	5488	156	69.6	161	54.2	29.5	19.6	78.58	49.88	3
4	41.48	35.88	63.58	6588	157	68.3	154	53.7	28.4	19.0	72.58	48.48	4
5	41.48	35.88	66.28	7848	153	67.2	144	52.0	27.9	18.1	63.18	47.38	5
6	41.38	35.58	66.88	825	148	67.3	135	51.8	27.8	17.0	57.08	44.18	6
7	41.38	35.38	68.78	833	145	70.4	126	48.8	27.5	15.8	53.88	39.38	7
8	41.28	35.38	70.68	855	141	73.8	120	48.2	26.2	14.4	51.48	34.18	8
9	41.28	35.28	72.38	852	138	88.3	114	48.7	26.8	13.1	50.38	29.78	9
10	41.18	34.88	73.88	849	135	150	110	48.6	29.1	12.2	49.88	26.28	10
11	40.88	34.38	73.88	844	133	304	105	48.3	29.1	11.0	48.88	25.08	11
12	40.58	33.88	72.88	841	132	408	102	48.3	28.8	9.78	48.08	28.98	12
13	40.28	33.58	70.88	836	130	495	99.8	48.9	28.5	9.08	47.28	32.08	13
14	39.78	33.48	68.18	830	129	585	96.3	48.4	27.6	8.09	46.78	39.08	14
15	39.38	33.08	65.68	735	128	807	91.8	45.0	27.1	8.84	46.08	44.88	15
16	39.18	32.78	62.38	688	123	844	87.7	43.5	26.5	10.2	45.38	47.88	16
17	38.88	32.58	58.88	632	118	868	83.6	42.5	26.3	11.8	45.08	49.38	17
18	38.88	32.88	55.18	584	116	878	78.7	41.8	26.1	12.4	44.78	46.68	18
19	38.58	33.18	52.88	506	113	888	76.6	42.1	26.2	15.1	44.28	45.88	19
20	38.18	33.88	50.98	442	110	840	72.6	42.5	26.0	23.5	43.98	44.88	20
21	37.88	34.28	49.68	378	107	598	70.2	42.0	26.0	58.4	43.48	44.08	21
22	37.58	34.88	48.98	321	103	538	66.5	39.8	26.0	84.3	43.28	43.48	22
23	37.38	35.98	48.18	274	98.4	478	57.3	38.2	26.0	94.3	43.08	42.58	23
24	37.18	37.28	48.48	238	96.1	397	55.8	36.1	25.3	117	42.78	41.58	24
25	36.88	38.58	49.98	209	93.4	328	54.4	33.4	25.0	144	42.58	40.78	25
26	36.88	40.08	55.58	190	91.5	288	52.4	31.8	25.2	154	43.48	40.08	26
27	36.68	42.08	72.28	182	88.8	225	51.0	30.8	25.2	152	44.98	39.48	27
28	36.38	45.78	118 B	175	85.2	198	50.1	30.8	25.0	147	47.08	38.78	28
29	36.08	50.88	192 B	167	84.5	177	50.7	30.8	24.9	136	49.18	38.28	29
30	36.08		269 B	161	81.6	158	50.9	31.1	24.4	126	49.48	37.88	30
31	35.98		313 B		77.9		50.1	31.2		116		37.28	31
TOTAL	1 211.8	1 048.0	2 542 B	16 258	3 733 S	8 844 S	2 984.1	1 343.1	814.8	1 623.57	1 582.2	1 266.6	TOTAL
MEAN	39.1	36.1	82.0	542	120	328	96.3	43.3	27.2	52.4	52.7	40.8	MEAN
MAX	41.8	50.8	313	855	159	878	165	58.7	31.2	154	105	50.2	MAX
MIN	35.9	32.5	48.1	161	77.9	87.2	50.1	30.8	24.4	8.09	42.5	25.0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 121
MAXIMUM DAILY, 855 ON APR 6
MINIMUM DAILY, 8.09 ON OCT 14

SUMMARY FOR THE YEAR 1984

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 00 30 N
LONG 97 12 40 W
DRAINAGE AREA, 104 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	105 000	JUL	258 000
FEB	90 400	AUG	116 000
MAR	220 000	SEP	70 400
APR	1 400 000	OCT	140 000
MAY	323 000	NOV	137 000
JUN	851 000	DEC	109 000

TOTAL DISCHARGE, 3 820 000 dam³

RED RIVER AT JAMES AVENUE PUMPING STATION - STATION NO 05OJ015

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	222.041	222.103	221.813	223.459	223.444	223.885	223.832	223.650	223.691	223.705	222.313	221.843	1
2	222.044	222.099	221.840	223.769	223.547	223.846	223.858	223.636	223.694	223.718	222.177	221.823	2
3	222.058	222.094	221.880	224.010	223.626	223.812	223.854	223.653	223.700	223.704	222.103	222.008	3
4	222.078	222.080	221.899	224.314	223.653	223.844	223.895	223.645	223.708	223.688	222.038	222.018	4
5	222.087	222.087	222.068	224.735	223.678	223.891	223.874	223.628	223.710	223.706	221.957	222.153	5
6	222.084	222.045	222.188	225.186	223.680	223.726	223.840	223.653	223.707	223.692	221.910	222.185	6
7	222.087	222.038	222.174	225.903	223.680	223.692	223.847	223.663	223.686	223.688	221.870	222.107	7
8	222.086	222.038	222.170	226.018	223.650	223.675	223.876	223.642	223.680	223.686	221.872	221.987	8
9	222.083	222.042	222.177	225.888	223.650	223.683	223.872	223.657	223.657	223.710	221.882	221.883	9
10	223.091	222.051	222.219	225.888A	223.650	223.707	223.882	223.662	223.657	223.718	221.828	221.788	10
11	222.083	222.051	222.288	225.811A	223.651	223.708	223.880	223.643	223.663	223.707	221.801	221.782	11
12	222.077	222.043	222.243	225.783	223.660	223.615	223.869	223.640	223.773	223.677	221.830	221.858	12
13	222.073	222.035	222.233	225.745	223.697	223.642	223.875	223.659	223.714	223.681	221.881	221.833	13
14	222.074	222.000	222.234	225.691	223.889	224.170	223.850	223.684	223.752	223.686	221.928	221.801	14
15	222.088	221.980	222.258	225.618	223.898	224.484	223.818	223.676	223.748	223.721	221.906	221.787	15
16	222.073	221.835	222.240	225.530	223.893	224.712	223.842	223.693	223.704	223.698	221.869	221.861	16
17	222.075	221.813	222.200	225.397	223.881	225.080	223.857	223.676	223.681	223.673	221.811	222.059	17
18	222.075	221.885	222.185	225.234	223.882	225.144	223.885	223.671	223.726	223.673	221.926	222.061	18
19	222.074	221.874	222.135	225.027	223.882	225.180	223.884	223.680	223.723	223.702	221.963	222.022	19
20	222.072	221.886	222.098	224.801	223.888	225.196	223.869	223.678	223.702	223.704	221.978	222.024	20
21	222.068	221.837	222.051	224.589	223.871	225.238	223.872	223.671	223.700	223.718	221.950	222.022	21
22	222.068	221.810	221.985	224.291	223.852	225.245	223.848	223.688	223.719	223.702	221.883	222.002	22
23	222.068	221.778	221.909	224.018	223.858	225.204	223.875	223.682	223.688	223.715	221.808	221.979	23
24	222.071	221.762	221.891	223.784	223.848	224.981	223.700	223.703	223.691	223.701	221.788	221.880	24
25	222.073	221.774	221.891	223.603	223.848	224.764	223.888	223.673	223.708	223.845	221.745	221.988	25
26	222.074	221.773	221.906	223.304	223.848	224.489	223.887	223.648	223.680	223.521	221.789	221.887	26
27	222.080	221.773	221.946	223.270	223.859	224.124	223.880	223.685	223.678	223.464	221.846	221.971	27
28	222.068	221.767	222.023	223.280	223.854	223.805	223.867	223.658	223.681	223.289	221.845	221.976	28
29	222.081	221.800	222.163	223.314	223.862	223.581	223.845	223.670	223.677	223.107	221.843	221.985	29
30	222.086		222.530	223.403	223.855	223.512	223.888	223.674	223.672	222.819	221.838	221.972	30
31	222.102		223.084		223.845		223.888	223.883		222.477		221.988	31
MEAN	222.077	221.942	222.124	224.582	223.852	224.240	223.868	223.663	223.700	223.584	221.907	221.959	MEAN
MAX	223.102	222.103	223.084	226.018	223.898	225.245	223.700	223.702	223.773	223.721	222.313	222.185	MAX
MIN	222.041	221.762	221.813	223.270	223.444	223.581	223.818	223.636	223.657	222.477	221.745	221.782	MIN

WATER LEVELS IN METRES

MEAN, 223.100
MAXIMUM DAILY, 226.018 ON APR 6
MINIMUM DAILY, 221.745 ON NOV 25
MAXIMUM INSTANTANEOUS,
226.104 AT 10:24 CST ON APR 7

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 45 N
LONG 97 07 50 W

A - MANUAL GAUGE

REGULATED

DRAINAGE AREA,
287 000 km²

RED RIVER AT ST. ADOLPHE - STATION NO. 05DC003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	224.487E	223.934	224.917E	223.788	223.658E	223.856	223.729E	222.898E	1
2	---	---	---	---	224.449	223.919E	224.781E	223.782E	223.674E	223.858E	223.592	222.906E	2
3	---	---	---	---	224.471E	223.904E	224.804	223.764	223.690	223.856	223.430E	222.914E	3
4	---	---	---	---	224.484	223.889E	224.697E	223.738E	223.690E	223.856E	223.267E	222.922	4
5	---	---	---	---	224.474E	223.873	224.589	223.724E	223.690	223.856	223.104	222.922E	5
6	---	---	---	---	224.454E	223.888E	224.478E	223.708	223.690E	223.856E	223.074E	222.923	6
7	---	---	---	---	224.433	223.903	224.390	223.723E	223.690	223.876E	223.044	222.881	7
8	---	---	---	---	224.411E	224.019	224.315E	223.738	223.690E	223.867	223.044E	222.823E	8
9	---	---	---	---	224.388	224.117E	224.288E	223.731E	223.690E	223.867E	223.044	222.764E	9
10	---	---	---	---	224.367	224.218E	224.223	223.723	223.690	223.867	223.054E	222.668E	10
11	---	---	---	228.623	224.286	224.315	224.182E	223.713E	223.690E	223.867E	223.064E	222.617	11
12	---	---	---	228.777	224.291E	225.089E	224.182	223.703E	223.690	223.828	223.074	222.586	12
13	---	---	---	228.731	224.288E	225.623	224.147E	223.693	223.705E	223.828E	223.119E	222.571E	13
14	---	---	---	228.670	224.281	225.418	224.132	223.700E	223.720	223.844E	223.185	222.558	14
15	---	---	---	228.583	224.281E	226.644	224.082E	223.708	223.700E	223.883	223.089E	---	15
16	---	---	---	228.381	224.281	227.180	224.051E	223.715E	223.860E	223.828E	223.013	---	16
17	---	---	---	228.184	224.208E	227.484	224.010	223.723	223.859	223.823	222.983E	---	17
18	---	---	---	227.984	224.129	227.837	223.981E	223.728E	223.859E	223.823E	222.973E	---	18
19	---	---	---	227.680	224.110E	227.804	223.952	223.733E	223.859	223.823	222.852	---	19
20	---	---	---	227.322E	224.081E	227.850	223.937E	223.738	223.873E	223.833E	222.837E	---	20
21	---	---	---	226.963	224.072E	227.789	223.921	223.718E	223.887	223.843E	222.922	---	21
22	---	---	---	226.537E	224.052	227.788	223.891E	223.893	223.887E	223.883	222.882E	---	22
23	---	---	---	226.110	224.052E	227.806	223.860	223.883E	223.887E	223.775E	222.861	---	23
24	---	---	---	225.744E	224.052	227.837	223.875E	223.883	223.887	223.887	222.841E	---	24
25	---	---	---	225.378	224.018E	227.012	223.891	223.887E	223.887E	224.003E	222.821E	---	25
26	---	---	---	225.104E	223.979	226.532E	223.881E	223.840E	223.887	224.110	222.800	---	26
27	---	---	---	224.830	223.972E	226.052	223.830	223.813	223.887E	224.130E	222.800E	---	27
28	---	---	---	224.728E	223.884	225.861E	223.820E	223.826E	223.887	224.150E	222.800	---	28
29	---	---	---	224.627E	223.857E	225.229	223.810E	223.889	223.877E	224.171	222.845E	---	29
30	---		---	224.525	223.848	225.073E	223.789	223.852E	223.887E	224.018E	222.891	---	30
31	---		---		223.842E		223.784E	223.844		223.888		---	31
MEAN	---	---	---	---	224.215	225.746	224.133	223.704	223.884	223.757	223.041	---	MEAN
MAX	---	---	---	---	224.494	227.850	224.917	223.789	223.720	224.171	223.729	---	MAX
MIN	---	---	---	---	223.842	223.873	223.784	223.613	223.859	223.823	222.800	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 40 50 N
LONG 97 07 14 W

DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RED RIVER BELOW FLOODWAY CONTROL STRUCTURE - STATION NO 05DC020

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	225.182	224.052	223.888	224.331	---	---	---	---	---	1
2	---	---	---	225.522	224.078	223.864	224.283	---	---	---	---	---	2
3	---	---	---	225.808	224.135	223.818	224.241	---	---	---	---	---	3
4	---	---	---	226.132	224.150	223.841	224.248	---	---	---	---	---	4
5	---	---	---	226.568	224.165	223.887	---	---	---	---	---	---	5
6	---	---	---	227.462	224.155	223.909	---	---	---	---	---	---	6
7	---	---	---	226.022	224.149	223.892	---	---	---	---	---	---	7
8	---	---	---	227.938	224.126	223.875	---	---	---	---	---	---	8
9	---	---	---	227.834	224.085	223.917	---	---	---	---	---	---	9
10	---	---	---	227.737	224.080	223.979	---	---	---	---	---	---	10
11	---	---	---	227.885	224.085	224.120	---	---	---	---	---	---	11
12	---	---	---	227.857	224.085	224.588	---	---	---	---	---	---	12
13	---	---	---	227.814	224.082	226.087	---	---	---	---	---	---	13
14	---	---	---	227.547	224.085	225.581	---	---	---	---	---	---	14
15	---	---	---	227.462	224.062	225.380	---	---	---	---	---	---	15
16	---	---	---	227.331	224.019A	226.281	---	---	---	---	---	---	16
17	---	---	---	227.187	224.006	226.809	---	---	---	---	---	---	17
18	---	---	---	226.957	223.991	226.763	---	---	---	---	---	---	18
19	---	---	---	226.708	223.967	226.686	---	---	---	---	---	---	19
20	---	---	---	226.411	223.971	226.686	---	---	---	---	---	---	20
21	---	---	---	226.088	223.978	226.684	---	---	---	---	---	---	21
22	---	---	---	225.726	223.981	226.670	---	---	---	---	---	---	22
23	---	---	---	226.382	223.947	226.718	---	---	---	---	---	---	23
24	---	---	---	226.002	223.930	226.486	---	---	---	---	---	---	24
25	---	---	---	224.871	223.918	226.186	---	---	---	---	---	---	25
26	---	---	---	224.384	223.898	225.772	---	---	---	---	---	---	26
27	---	---	---	224.233	223.886	225.331	---	---	---	---	---	---	27
28	---	---	223.208A	224.139	223.883	224.918	---	---	---	---	---	---	28
29	---	---	223.343	224.084	223.885	224.578	---	---	---	---	---	---	29
30	---		223.889	224.062	223.872	224.408	---	---	---	---	---	---	30
31	---		224.088		223.884		---	---		---		---	31
MEAN	---	---	---	226.282	224.018	226.193	---	---	---	---	---	---	MEAN
MAX	---	---	---	228.022	224.165	226.888	---	---	---	---	---	---	MAX
MIN	---	---	---	224.062	223.884	223.818	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 228.022 ON APR 7

MAXIMUM INSTANTANEOUS,
228.235 AT 20:28 CST ON APR 6

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 20 N
LONG 97 06 10 W

A - MANUAL GAUGE

REGULATED SINCE 1969

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1929 ADJ)

RED RIVER FLOODWAY NEAR ST. NORBERT - STATION NO. 05OC017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0	0	0	0	0	0	0	0	---	---	1
2	---	---	0	0	0	0	0	0	0	0	---	---	2
3	---	---	0	0	0	0	0	0	0	0	---	---	3
4	---	---	0	0	0	0	0	0	0	0	---	---	4
5	---	---	0	0	0	0	0	0	0	0	---	---	5
6	---	---	0	0	0	0	0	0	0	0	---	---	6
7	---	---	0	0	0	0	0	0	0	0	---	---	7
8	---	---	0	0	0	0	0	0	0	0	---	---	8
9	---	---	0	0	0	0	0	0	0	0	---	---	9
10	---	---	0	0	0	0	0	7	0	0	---	---	10
11	---	---	0	0	0	0	0	0	0	0	---	---	11
12	---	---	0	0	0	0	0	0	0	0	---	---	12
13	---	---	0	0	0	0	0	0	0	0	---	---	13
14	---	---	0	0	0	0	0	0	0	0	---	---	14
15	---	---	0	0	0	0	0	0	0	0	---	---	15
16	---	---	0	0	0	0	0	0	0	0	---	---	16
17	---	---	0	0	0	0	0	0	0	0	---	---	17
18	---	---	0	0	0	0	0	0	0	0	---	---	18
19	---	---	0	0	0	0	0	0	0	0	---	---	19
20	---	---	0	0	0	0	0	0	0	0	---	---	20
21	---	---	0	0	0	0	0	0	0	0	---	---	21
22	---	---	0	0	0	0	0	0	0	0	---	---	22
23	---	---	0	0	0	0	0	0	0	0	---	---	23
24	---	---	0	0	0	0	0	0	0	0	---	---	24
25	---	---	0	0	0	0	0	0	0	0	---	---	25
26	---	---	0	0	0	0	0	0	0	0	---	---	26
27	---	---	0	0	0	0	0	0	0	0	---	---	27
28	---	---	0	0	0	0	0	0	0	0	---	---	28
29	---	---	0	0	0	0	0	0	0	0	---	---	29
30	---		0	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0 ON MAR 1
MINIMUM DAILY, 0 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 45 24 N
LONG 97 07 35 W

REGULATED SINCE 1969

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	0	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 0 dam^3

REMARKS - LOCAL INFLOW IS NOT MONITORED

RED RIVER NEAR LETELLIER - STATION NO. 05OC010

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	---	---	---	---	---	---	1
2	---	---	---	---	---	---	---	---	---	---	---	---	2
3	---	---	---	236.288A	---	---	---	---	---	---	---	---	3
4	---	---	---	236.080	---	---	---	---	---	---	---	---	4
5	---	---	---	236.084	---	---	---	---	---	---	---	---	5
6	---	---	---	236.031	---	---	---	---	---	---	---	---	6
7	---	---	---	235.988	---	---	---	---	---	---	---	---	7
8	---	---	---	235.907	---	---	---	---	---	---	---	---	8
9	---	---	---	235.850	---	---	---	---	---	---	---	---	9
10	---	---	---	235.797	---	---	---	---	---	---	---	---	10
11	---	---	---	235.740	---	---	---	---	---	---	---	---	11
12	---	---	---	235.687	---	---	---	---	---	---	---	---	12
13	---	---	---	235.638	---	---	---	---	---	---	---	---	13
14	---	---	---	235.384	---	---	---	---	---	---	---	---	14
15	---	---	---	235.134	---	---	---	---	---	---	---	---	15
16	---	---	---	234.819	---	---	---	---	---	---	---	---	16
17	---	---	---	234.469	---	234.081A	---	---	---	---	---	---	17
18	---	---	---	234.044A	---	234.214	---	---	---	---	---	---	18
19	---	---	---	---	---	234.282	---	---	---	---	---	---	19
20	---	---	---	---	---	234.195	---	---	---	---	---	---	20
21	---	---	---	---	---	234.040	---	---	---	---	---	---	21
22	---	---	---	---	---	---	---	---	---	---	---	---	22
23	---	---	---	---	---	---	---	---	---	---	---	---	23
24	---	---	---	---	---	---	---	---	---	---	---	---	24
25	---	---	---	---	---	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	---	---	---	26
27	---	---	---	---	---	---	---	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	---	---	---	---	28
29	---	---	---	---	---	---	---	---	---	---	---	---	29
30	---		---	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 236.084 ON APR 5

MAXIMUM INSTANTANEOUS,
236.303 AT 14:35 CST ON APR 5

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1953 ADJ.)

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 54 N
LONG 97 18 18 W

A - MANUAL GAUGE

REGULATED

RED RIVER NEAR LOCKPORT - STATION NO. 05OJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	60.5	59.2	61.0	390	209	128	374	86.2	42.0	44.8	178	73.6	1
2	60.3	58.4	64.3	380	201	122	353	83.3	41.8	43.9	169	75.6	2
3	61.1	57.8	68.4	490	198	118	340	80.7	42.0	44.8	138	78.6	3
4	61.2	57.4	73.1	650	196	114	333	78.8	42.5	45.1	120	78.3	4
5	61.4	57.4	76.2	510	198	111	327	76.1	43.1	45.0	109	78.6	5
6	61.5	57.5	78.2	884	198	112	318	71.9	41.8	43.4	97.0	71.6	6
7	62.0	57.4	80.4	1 070	195	114	306	72.1	40.0	43.1	85.2	69.7	7
8	62.3	56.7	82.6	1 100	190	116	195	71.5	39.3	41.4	82.4	64.5	8
9	62.5	56.3	85.0	1 020	184	121	185	68.1	39.5	40.5	75.5	62.0	9
10	62.3	56.3	87.1	984	180	137	178	66.7	39.6	41.2	76.2	45.5	10
11	62.3	55.1	89.1	956	186	181	172	65.5	40.0	42.5	73.6	43.5	11
12	62.6	55.0	90.1	956	186	222	167	63.5	41.6	41.1	76.2	41.7	12
13	62.5	55.3	90.9	948	186	245	163	63.6	41.9	38.5	76.2	41.0	13
14	62.5	54.9	91.4	933	186	449	157	61.6	41.5	38.8	75.6	40.5	14
15	62.9	54.6	91.4	910	185	918	153	60.2	42.0	40.5	76.5	40.0	15
16	62.8	54.4	90.0	881	183	977	148	59.2	42.2	45.2	76.4	46.0	16
17	62.2	54.1	86.3	843	180	888	140	57.5	42.4	39.0	83.1	54.0	17
18	62.0	53.8	85.8	787	175	705	138	56.3	42.3	38.4	83.0	62.2	18
19	61.7	53.1	82.8	726	171	788	131	54.4	44.3	40.1	83.0	65.4	19
20	61.5	53.4	78.7	683	168	783	126	53.3	44.7	49.8	82.0	68.4	20
21	61.0	53.3	77.4	658	168	785	121	53.8	43.8	51.2	78.5	67.9	21
22	60.4	53.7	76.1	633	163	785	117	54.3	44.5	49.7	73.7	66.1	22
23	59.8	54.0	76.1	674	157	762	112	54.4	42.5	80.6	72.1	63.3	23
24	59.0	54.1	76.2	618	150	710	108	52.7	42.7	88.2	89.5	63.5	24
25	58.9	54.8	76.8	582	151	649	105	51.1	44.0	111	88.6	63.9	25
26	58.9	55.3	80.5	313	148	571	102	48.7	45.6	134	87.5	62.6	26
27	58.7	56.6	81.9	275	143	490	98.4	46.5	48.0	170	72.3	61.7	27
28	58.2	57.9	81.3	249	139	417	96.3	43.7	48.9	210	74.8	59.0	28
29	58.4	58.1	112	233	135	386	93.4	42.5	48.4	258	74.0	58.0	29
30	58.2		170	221	132	309	88.6	41.6	48.3	302	72.1	56.8	30
31	59.8		260		128		87.6	41.6		181		58.4	31
TOTAL	1 898.3	1 618.7	2 611.3	18 333	5 385	12 170	4 827.5	1 878.2	1 288.2	2 325.1	2 826.3	1 873.0	TOTAL
MEAN	61.2	55.8	90.7	844	173	405	156	60.5	42.9	75.0	87.5	60.4	MEAN
MAX	62.5	58.2	260	1 100	209	788	374	86.2	48.0	210	178	78.2	MAX
MIN	58.9	53.1	61.0	221	128	111	87.6	41.6	38.3	38.4	69.8	40.0	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 158
MAXIMUM DAILY, 1 100 ON APR 8
MINIMUM DAILY, 38.4 ON OCT 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 28 N
LONG 96 55 54 W
DRAINAGE AREA, 287 000 km²

REGULATED

REMARKS - THESE DATA ARE A SUMMATION FROM SEVEN UPSTREAM FLOW STATIONS

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	164 000	JUL	417 000
FEB	140 000	AUG	162 000
MAR	243 000	SEP	111 000
APR	1 670 000	OCT	201 000
MAY	484 000	NOV	227 000
JUN	1 050 000	DEC	162 000

TOTAL DISCHARGE, 5 010 000 dam³

RED RIVER NEAR STE AGATHE - STATION NO. 05OC012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	40.08	37.48	47.28	3478	174	81.5	205	58.5	33.7	30.1	108	51.78	1
2	39.88	37.38	51.28	4058	171	77.5	195	57.2	33.9	31.7	93.5	52.18	2
3	39.88	37.28	55.58	4678	170	73.5	189	55.6	34.2	30.6	92.3	53.68	3
4	39.78	37.18	58.88	5528	170	71.1	184	54.4	34.6	29.9	77.2	52.58	4
5	39.88	37.28	60.48	7038	170	70.3	177	52.9	33.3	28.3	77.6	50.08	5
6	39.58	37.28	62.78	9338	167	70.2	168	53.1	31.6	27.3	71.4	48.78	6
7	39.48	37.08	64.58	9538	163	71.3	155	53.0	31.1	27.6	69.1	47.78	7
8	39.48	37.08	66.58	912	158	73.9	145	51.5	31.4	27.0	64.0	46.78	8
9	39.38	37.08	68.48	891	152	84.0	136	49.9	31.5	25.9	63.08	40.88	9
10	39.58	36.98	70.58	879	149	98.9	129	49.5	31.48	26.1	61.08	37.28	10
11	39.88	36.78	71.48	870	145	158	122	48.8	31.38	25.7	61.28	33.88	11
12	39.88	36.88	72.78	852	143	276	119	48.0	31.28	21.6	60.58	31.08	12
13	39.88	36.28	72.78	848	142	373	115	47.6	31.18	23.0	60.28	30.88	13
14	39.78	36.08	72.38	826	141	444	111	47.2	31.08	23.6	59.88	32.38	14
15	39.88	36.88	71.08	802	140	502	108	46.6	30.98	27.7	59.58	38.08	15
16	39.88	36.68	69.28	768	137	552	101	45.4	30.88	21.2	59.18	40.88	16
17	39.88	36.88	66.78	725	132	598	97.5	44.4	30.88A	21.6	58.68	44.78	17
18	39.48	36.38	63.78	673	127	626	94.5	43.0	33.0	23.4	58.48	47.38	18
19	39.28	36.28	61.38	618	123	647	91.4	41.2	33.6	30.0	57.78	48.58	19
20	38.98	36.48	59.38	584	121	661	87.7	40.8	32.3	28.6	57.08	46.28	20
21	38.88	36.88	57.88	494	118	642	83.1	41.5	33.1	28.6	55.98	47.38	21
22	38.48	36.38	57.08	437	113	621	79.2	41.8	31.4	38.0	51.98	45.38	22
23	38.18	36.78	56.88	382	108	587	76.4	40.4	31.2	80.7	48.18	45.88	23
24	37.88	37.48	56.88	331	105	540	74.2	38.4	32.3	81.1	45.58	44.78	24
25	37.78	38.38	56.88	284	102	481	72.0	37.8	32.5	105	44.78	43.48	25
26	38.08	39.18	57.88	248	98.0	418	69.4	35.3	31.5	130	45.98	42.18	26
27	37.98	40.38	62.48	224	95.6	352	63.8	34.2	31.5	148	47.38	41.38	27
28	38.68	41.78	77.98	207	92.9	288	63.7	33.5	31.3	149	48.58	40.88	28
29	37.68	43.88	128 E	193	89.9	264	61.5	33.0	30.5	144	48.98	40.68	29
30	37.88		210 E	182	88.8	223	60.1	32.8	30.4	138	49.78	40.58	30
31	37.58		261 E		83.9		60.0	33.5		133		40.28	31
TOTAL	1 208.4	1 078.6	2 388.5	17 588	4 081.1	10 007.2	3 483.5	1 382.3	958.5	1 870.3	1 898.5	1 367.1	TOTAL
MEAN	38.8	37.2	77.1	586	132	334	113	44.6	32.0	63.9	81.9	43.5	MEAN
MAX	40.8	43.8	261	953	174	661	205	58.5	34.5	148	108	53.6	MAX
MIN	37.6	36.2	47.2	182	83.8	70.2	60.0	33.5	30.4	21.2	44.7	30.8	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 129
MAXIMUM DAILY, 9538 ON APR 7
MINIMUM DAILY, 21.2 ON OCT 18
MAXIMUM INSTANTANEOUS,
1 050 AT 19:32 CST ON APR 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 33 40 N
LONG 97 10 52 W
DRAINAGE AREA, 117 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	104 000	JUL	302 000
FEB	93 200	AUG	120 000
MAR	206 000	SEP	82 600
APR	1 520 000	OCT	144 000
MAY	353 000	NOV	160 000
JUN	695 000	DEC	112 000

TOTAL DISCHARGE, 4 070 000 dam³

RED SUCKER LAKE AT RED SUCKER LAKE - STATION NO. 04ACO06

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	30.052	29.956	29.878	29.785	29.820	30.151	30.168	30.053	29.853	29.746	29.754	29.787	1
2	30.046	29.947	29.880	29.783	29.822	30.154	30.169	30.039	29.846	29.736	29.743	29.782	2
3	30.036	29.939	29.877	29.788	29.835	30.158	30.172	30.035	29.847	29.734	29.738	29.790	3
4	30.013	29.947	29.888	29.788	29.841	30.157	30.178	30.021	29.836	29.735	29.755	29.769	4
5	30.019	29.945	29.856	29.782	29.850	30.149	30.171	30.012	29.835	29.726	29.780	29.763	5
6	30.016	29.942	29.880	29.794	29.854	30.148	30.178	30.023	29.826	29.726	29.746	29.780	6
7	30.022	29.947	29.851	29.795	29.885	30.143	30.174	30.013	29.824	29.723	29.740	29.784	7
8	30.016	29.947	29.845	29.781	29.880	30.148	30.181	30.020	29.817	29.726	29.744	29.791	8
9	30.017	29.948	29.845	29.785	29.884	30.144	30.177	30.018	29.814	29.730	29.758	29.788	9
10	30.020	29.938	29.842	29.787	29.892	30.148	30.174	30.013	29.809	29.733	29.748	29.788	10
11	30.018	29.934	29.832	29.772	30.005	30.134	30.188	30.002	29.787	29.727	29.751	29.784	11
12	30.022	29.939	29.826	29.787	30.025	30.125	30.184	30.003	29.791	29.752	29.736	29.802	12
13	30.002	29.934	29.820	29.773	30.030	30.123	30.186	29.994	29.783	29.761	29.744	29.790	13
14	30.006	29.934	29.825	29.777	30.042	30.118	30.141	30.006	29.790	29.767	29.743	29.795	14
15	30.006	29.935	29.822	29.784	30.052	30.122	30.181	30.000	29.787	29.788	29.754	29.787	15
16	30.001	29.939	29.809	29.780	30.065	30.115	30.147	29.988	29.783	29.784	29.755	29.798	16
17	30.009	29.923	29.802	29.780	30.089	30.109	30.140	29.975	29.778	29.781	29.758	29.765	17
18	30.018	29.920	29.812	29.795	30.093	30.113	30.142	29.972	29.779	29.758	29.762	29.780	18
19	30.030	29.928	29.811	29.788	30.087	30.118	30.142	29.984	29.789	29.763	29.758	29.789	19
20	30.009	29.924	29.802	29.800	30.103	30.118	30.130	29.981	29.784	29.757	29.757	29.783	20
21	30.015	29.907	29.809	29.811	30.114	30.113	30.119	29.933	29.752	29.743	29.762	29.789	21
22	30.018	29.908	29.808	29.834	30.111	30.116	30.116	29.931	29.745	29.755	29.764	29.785	22
23	30.012	29.916	29.818	29.829	30.101	30.135	30.109	29.927	29.777	29.760	29.760	29.788	23
24	30.007	29.909	29.822	29.833	30.108	30.145	30.103	29.911	29.777	29.742	29.755	29.791	24
25	29.982	29.899	29.811	29.848	30.117	30.147	30.090	29.905	29.774	29.745	29.768	29.782	25
26	29.988	29.894	29.802	29.868	30.115	30.153	30.092	29.904	29.772	29.753	29.783	29.783	26
27	29.989	29.895	29.786	29.881	30.115	30.151	30.094	29.896	29.758	29.744	29.787	29.777	27
28	29.983	29.886	29.783	29.904	30.115	30.157	30.087	29.895	29.753	29.783	29.789	29.777	28
29	29.972	29.887	29.785	29.930	30.120	30.156	30.081	29.889	29.747	29.753	29.792	29.777	29
30	29.989		29.788	29.930	30.127	30.172	30.073	29.879	29.740	29.756	29.790	29.787	30
31	29.952		29.773		30.134		30.084	29.857		29.741		29.786	31
MEAN	30.009	29.925	29.824	29.803	30.046	30.139	30.137	29.988	29.792	29.745	29.759	29.787	MEAN
MAX	30.052	29.956	29.880	29.930	30.134	30.172	30.181	30.053	29.853	29.768	29.792	29.802	MAX
MIN	29.952	29.894	29.773	29.782	29.820	30.109	30.084	29.857	29.740	29.723	29.738	29.765	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 29.911
MAXIMUM DAILY, 30.181 ON JUL 8
MINIMUM DAILY, 29.723 ON OCT 7
MAXIMUM INSTANTANEOUS,
30.206 AT 21 45 CST ON JUL 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 08 23 N
LONG 93 33 53 W

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

REINDEER LAKE AT BROCHET - STATION NO 06DB001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	---	335.497	335.442	335.473	335.377	335.282	335.264	1
2	---	---	---	335.248A	---	---	335.428	335.436	335.473	335.390	335.300	335.261	2
3	---	---	---	---	---	---	335.412	335.442	335.442	335.363	335.297	335.265	3
4	---	---	---	---	---	---	335.401	335.422	335.466	335.403	335.311	335.252	4
5	---	---	---	---	---	---	335.418	335.422	335.483	335.418	335.310	335.251	5
6	---	---	---	---	---	---	335.418	335.391	335.435	335.378	335.289	335.250	6
7	---	---	---	---	---	---	335.462	335.412	335.273	335.405	335.277	335.261	7
8	---	---	---	---	---	---	335.481	335.407	335.419	335.398	335.285	335.247	8
9	335.622A	---	---	---	---	---	335.431	335.400	335.457	335.385	335.295	335.251	9
10	---	---	---	---	---	---	335.410	335.475	335.484	335.382	335.293	335.238	10
11	---	---	---	---	---	---	335.413	335.464	335.488	335.378	335.295	335.231	11
12	---	---	---	---	---	335.372A	335.418	335.428	335.438	335.384	335.273	335.225	12
13	---	---	---	---	---	335.376	335.398	335.441	335.438	335.381	335.267	335.209	13
14	---	---	---	---	---	335.381	335.405	335.407	335.449	335.382	335.273	335.201	14
15	---	---	---	---	---	335.388	335.423	335.435	335.461	335.378	335.307	335.210	15
16	---	---	---	---	---	335.370	335.423	335.438	335.472	335.337	335.309	335.202	16
17	---	---	---	---	---	335.373	335.455	335.430	335.466	335.356	335.293	335.209	17
18	---	---	---	---	---	335.383	335.433	335.413	335.437	335.377	335.278	335.202	18
19	---	---	---	---	---	335.385	335.427	335.424	335.418	335.341	335.276	335.191	19
20	---	---	---	---	---	335.373	335.416	335.376	335.413	335.381	335.281	335.180	20
21	---	---	---	---	---	335.400	335.430	335.409	335.396	335.352	335.295	335.199	21
22	---	---	---	---	---	335.386	335.424	335.528	335.346	335.362	335.290	335.191	22
23	---	---	---	---	---	335.372	335.424	335.507	335.404	335.332	335.282	335.200	23
24	---	---	---	---	---	335.405	335.408A	335.500	335.415	335.349	335.294	335.193	24
25	---	---	---	---	---	335.408	335.407	335.509	335.398	335.412	335.283	335.182	25
26	---	---	---	---	---	335.408	335.424	335.515	335.392	335.387	335.277	335.186	26
27	---	---	---	---	---	335.412	335.432	335.501	335.424	335.332	335.269	335.186	27
28	---	---	---	---	---	335.428	335.432	335.529	335.416	335.407	335.269	335.189	28
29	---	---	---	---	---	335.422	335.432	335.556	335.387	335.371	335.280	335.189	29
30	---		---	---	---	335.421	335.419	335.394	335.330	335.269	335.187	30
31	---		---		---		335.426	335.469		335.277		335.187	31
MEAN	---	---	---	---	---	---	335.425	335.449	335.428	335.359	335.288	335.211	MEAN
MAX	---	---	---	---	---	---	335.487	335.556	335.488	335.418	335.311	335.265	MAX
MIN	---	---	---	---	---	---	335.399	335.376	335.273	335.337	335.269	335.157	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 57 52 50 N
LONG 101 40 00 W

A - MANUAL GAUGE

REGULATED SINCE 1930

WATER LEVELS ARE REFERRED TO DEPARTMENT OF NATURAL RESOURCES DATUM (SOUTHEND)

RENNIE RIVER NEAR RENNIE - STATION NO 05PG002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.003	0.001	0.001	0.151	0.001	0.004	2.97	0.074	0.010	0.002	1.45	0.944	1
2	0.003	0.001	0.001	0.078	0.001	0.005	2.85	0.075	0.011	0.001	1.45	0.913	2
3	0.003	0.001	0.001	0.008	0.001	0.007	2.87	0.070	0.011	0.001	1.48	0.888	3
4	0.003	0.001	0.001	0.005	0.001	0.009	2.55	0.086	0.011	0.001	1.49	0.850	4
5	0.003	0.001	0.001	0.005	0.001	0.009	1.57	0.085	0.011	0.001	1.48	0.820	5
6	0.003	0.001	0.001	0.004	0.001	0.013	1.03	0.085	0.011	0.001	1.47	0.787	6
7	0.003	0.001	0.001	0.004	0.001	0.012	1.02	0.085	0.007	0.001	1.47	0.765	7
8	0.003	0.001	0.001	0.003	0.001	0.022	1.01	0.085	0.005	0.002	1.45	0.728	8
9	0.003	0.001	0.001	0.003	0.001	0.071	1.02	0.082	0.005	0.002	1.43	0.694	9
10	0.002	0.001	0.001	0.003	0.002	0.148	0.959	0.080	0.005	0.002	1.40	0.672	10
11	0.002	0.001	0.001	0.003	0.002	0.255	0.903	0.058	0.005	0.001	1.38	0.653	11
12	0.002	0.001	0.001	0.003	0.002	0.394	0.884	0.054	0.006	0.001	1.33	0.629	12
13	0.003	0.001	0.001	0.003	0.002	0.570	1.09	0.054	0.005	0.001	1.31	0.617	13
14	0.002	0.001	0.001	0.003	0.002	0.770	1.05	0.048	0.005	0.002	1.29	0.610	14
15	0.002	0.001	0.028	0.003	0.002	0.752	0.955	0.040	0.005	0.002	1.30	0.606	15
16	0.002	0.001	0.080	0.003	0.002	0.898	0.128	0.037	0.004	0.001	1.28	0.580	16
17	0.002	0.002	0.071	0.003	0.002	1.16	0.128	0.034	0.003	0.001	1.27	0.707	17
18	0.002	0.001	0.079	0.003	0.002	2.42	0.124	0.034	0.003	0	1.24	0.682	18
19	0.002	0.001	0.084	0.003	0.003	4.18	0.101	0.036	0.003	0.001	1.19	0.658	19
20	0.001	0.001	0.085	0.003	0.003	4.02	0.100	0.029	0.003	0.001	1.18	0.636	20
21	0.001	0.002	0.084	0.003	0.003	3.86	0.103	0.028	0.003	0.001	1.13	0.604	21
22	0.001	0.002	0.081	0.002	0.004	3.72	0.092	0.028	0.002	0.001	1.13	0.570	22
23	0.001	0.002	0.117	0.002	0.004	3.69	0.080	0.030	0.002	0.546	1.09	0.544	23
24	0.001	0.002	0.170	0.002	0.005	3.58	0.069	0.028	0.002	1.36	1.05	0.521	24
25	0.001	0.002	0.178	0.001	0.005	3.47	0.074	0.028	0.002	1.34	1.02	0.500	25
26	0.001	0.002	0.175	0.001	0.005	3.45	0.085	0.026	0.002	1.37	1.01	0.480	26
27	0.001	0.002	0.174	0.002	0.003	3.45	0.084	0.024	0.002	1.36	1.03	0.491	27
28	0.001	0.002	0.169	0.001	0.004	3.35	0.082	0.022	0.002	1.44	1.01	0.479	28
29	0.001	0.001	0.161	0.001	0.007	3.26	0.078	0.013	0.002	1.43	0.991	0.471	29
30	0.001		0.155	0.001	0.005	3.18	0.075	0.009	0.002	1.42	0.979	0.453	30
31	0.001		0.152		0.004		0.074	0.009		1.44		0.436	31
TOTAL	0.080	0.038	2.033	0.308	0.083	50.758	23.518	1.340	0.150	11.715	37.740	20.107	TOTAL
MEAN	0.002	0.001	0.066	0.010	0.003	1.69	0.762	0.043	0.005	0.378	1.26	0.649	MEAN
MAX	0.003	0.002	0.178	0.151	0.007	4.18	2.97	0.075	0.011	1.44	1.48	0.944	MAX
MIN	0.001	0.001	0.001	0.001	0.001	0.004	0.069	0.009	0.002	0	0.979	0.436	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.404
MAXIMUM DAILY, 4.18 ON JUN 19
MINIMUM DAILY, 0 ON OCT 18
MAXIMUM INSTANTANEOUS,
4.30 AT 14:46 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 42 N
LONG 95 32 40 W
DRAINAGE AREA, 153 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	5.18	JUL	2 040
FEB	3.28	AUG	116
MAR	176	SEP	13.0
APR	26.6	OCT	1 010
MAY	7.17	NOV	3 280
JUN	4 390	DEC	1 740

TOTAL DISCHARGE, 12 800 dam³

RIVERS RESERVOIR NEAR RIVERS - STATION NO 05MF020

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	486.804	486.035	485.878	486.209	486.094	486.396	486.402	486.184	487.591	487.278	487.449	487.613	1
2	486.590	486.015	485.878	486.252	486.127	486.383	486.421	486.156	487.570	487.270	487.462	487.616	2
3	486.573	485.993	485.878	486.300	486.153	486.376	486.426	486.145	487.549	487.264	487.476	487.621	3
4	486.554	485.978	485.879	486.352	486.184	486.367	486.420	486.135	487.529	487.261	487.491	487.624	4
5	486.538	485.962	485.882	486.405	486.214	486.360	486.409	486.123	487.515	487.248	487.504	487.630	5
6	486.521	485.946	485.883	486.462	486.247	486.352	486.388	486.111	487.502	487.240	487.518	487.633	6
7	486.504	485.930	485.890	486.527	486.268	486.352	486.370	486.098	487.423	487.236	487.532	487.634	7
8	486.487	485.917	485.892	486.602	486.288	486.363	486.361	486.085	487.490	487.227	487.535	487.637	8
9	486.471	485.902	485.890	486.676	486.310	486.350	486.350	486.089	487.479	487.220	487.543	487.640	9
10	486.457	485.887	485.890	486.771	486.331	486.341	486.335	486.032	487.472	487.212	487.545	487.645	10
11	486.438	485.861	485.891	486.872	486.349	486.336	486.321	486.009	487.484	487.208	487.547	487.648	11
12	486.419	485.881	485.891	486.972	486.386	486.331	486.311	487.998	487.482	487.202	487.548	487.648	12
13	486.402	485.878	485.890	487.084	486.378	486.330	486.298	487.982	487.482	487.194	487.551	487.647	13
14	486.385	485.872	485.893	487.135	486.379	486.330	486.284	487.967	487.452	487.183	487.557	487.647	14
15	486.369	485.869	485.895	487.204	486.380	486.339	486.271	487.948	487.442	487.193	487.558	487.644	15
16	486.352	485.866	485.895	487.283	486.381	486.392	486.285	487.931	487.428	487.187	487.555	487.647	16
17	486.338	485.857	485.897	487.366	486.382	486.395	486.258	487.916	487.418	487.193	487.556	487.648	17
18	486.318	485.856	485.897	487.451	486.398	486.374	486.254	487.895	487.410	487.191	487.557	487.648	18
19	486.297	485.864	485.897	487.533	486.413	486.352	486.249	487.873	487.402	487.208	487.559	487.648	19
20	486.282	485.882	485.898	487.609	486.424	486.334	486.238	487.860	487.387	487.215	487.555	487.645	20
21	486.263	485.881	485.899	487.677	486.433	486.322	486.233	487.840	487.401	487.214	487.554	487.640	21
22	486.244	485.881	485.902	487.742	486.440	486.320	486.240	487.819	487.380	487.216	487.553	487.634	22
23	486.225	485.863	485.915	487.804	486.445	486.327	486.231	487.800	487.372	487.228	487.557	487.628	23
24	486.208	485.863	485.941	487.859	486.445	486.320	486.225	487.781	487.380	487.254	487.559	487.625	24
25	486.192	485.864	485.980	487.903	486.443	486.314	486.217	487.781	487.348	487.271	487.585	487.617	25
26	486.181	485.885	486.018	487.948	486.440	486.313	486.209	487.739	487.336	487.302	487.585	487.618	26
27	486.161	485.886	486.048	488.003	486.439	486.316	486.202	487.718	487.328	487.347	487.595	487.610	27
28	486.119	485.888	486.080	488.000	486.434	486.334	486.190	487.693	487.313	487.372	487.598	487.605	28
29	486.099	485.872	486.115	488.026	486.427	486.355	486.182	487.681	487.302	487.398	487.602	487.600	29
30	486.078		486.148	488.052	486.417	486.382	486.176	487.635	487.292	487.411	487.609	487.592	30
31	486.084		486.178		486.415		486.173	487.612		487.431		487.585	31
MEAN	486.344	485.888	485.935	487.202	486.350	486.348	486.287	487.921	487.432	487.254	487.548	487.629	MEAN
MAX	486.804	486.035	486.178	488.052	486.445	486.396	486.426	488.184	487.591	487.431	487.609	487.648	MAX
MIN	486.054	485.861	485.878	486.209	486.094	486.313	486.173	487.612	487.292	487.183	487.449	487.585	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 487.380
MAXIMUM DAILY, 488.445 ON MAY 23
MINIMUM DAILY, 485.861 ON FEB 21
MAXIMUM INSTANTANEOUS,
488.485 AT 20:53 CST ON MAY 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 01 37 N
LONG 100 11 58 W

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

RIVIERE AUX MARAIS NEAR CHRISTIE - STATION NO. 05BC022

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0458	0.001	0	0.002	0	0	0	---	---	1
2	---	---	0 B	0.151	0.001	0	0.002	0	0	0	---	---	2
3	---	---	0 B	0.377	0.001	0	0	0	0	0	---	---	3
4	---	---	0 B	0.388	0.002	0	0	0	0	0	---	---	4
5	---	---	0 B	0.343	0.007	0	0	0	0	0	---	---	5
6	---	---	0 B	0.298	0.007	0	0	0	0	0	---	---	6
7	---	---	0 B	0.188	0.007	0	0	0	0	0	---	---	7
8	---	---	0 B	0.102	0.006	0	0	0	0	0	---	---	8
9	---	---	0 B	0.052	0.006	0	0	0	0	0	---	---	9
10	---	---	0 B	0.026	0.005	0	0	0	0	0	---	---	10
11	---	---	0 B	0.017	0.005	0 A	0	0	0	0	---	---	11
12	---	---	0 B	0.010	0.005	0 E	0	0	0	0	---	---	12
13	---	---	0 B	0.007	0.003	0 E	0	0	0	0	---	---	13
14	---	---	0 B	0.004	0.002	0 E	0	0	0	0	---	---	14
15	---	---	0 B	0.002	0	0 E	0	0	0	0	---	---	15
16	---	---	0 B	0.002	0	0 E	0	0	0	0	---	---	16
17	---	---	0 B	0.001	0	0 E	0	0	0	0	---	---	17
18	---	---	0 B	0.001	0	0 E	0	0	0	0	---	---	18
19	---	---	0 B	0.001	0	0 E	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0	0.002A	0	0	0	0	---	---	20
21	---	---	0 B	0.001	0	0.002	0	0	0	0	---	---	21
22	---	---	0 B	0.001	0	0.012	0	0	0	0	---	---	22
23	---	---	0.0058	0.001	0	0.012	0	0	0	0	---	---	23
24	---	---	0.0118	0.001	0	0.011	0	0	0	0	---	---	24
25	---	---	0.0058	0.001	0	0.006	0	0	0	0	---	---	25
26	---	---	0 B	0.350	0	0.012	0	0	0	0	---	---	26
27	---	---	0 B	0.050	0	0.011	0	0	0	0	---	---	27
28	---	---	0.0018	0.005	0	0.010	0	0	0	0	---	---	28
29	---	---	0.0018	0.001	0	0.006	0	0	0	0	---	---	29
30	---		0.0108	0.001	0	0.002	0	0	0	0	---	---	30
31	---		0.0208		0		0	0		0		---	31
TOTAL	---	---	0.053	2.413	0.058	0.088	0.004	0	0	0	---	---	TOTAL
MEAN	---	---	0.002	0.080	0.002	0.003	0	0	0	0	---	---	MEAN
MAX	---	---	0.020	0.377	0.007	0.012	0.002	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.011
MAXIMUM DAILY, 0.377 ON APR 3
MINIMUM DAILY, 0.0 ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 03 30 N
LONG 97 16 50 W
DRAINAGE AREA, 138 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0.35
FEB	---	AUG	0
MAR	4.58	SEP	0
APR	208	OCT	0
MAY	5.01	NOV	---
JUN	7.80	DEC	---

TOTAL DISCHARGE, 226 dam³

ROARING RIVER NEAR MINITONAS - STATION NO. 05LE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.1588	1.538	4.53	5.32	5.25	0.333	0.070E	0.285	---	---	1
2	---	---	0.1588	3.228	4.71	4.59	4.45	0.307	0.082E	0.181	---	---	2
3	---	---	0.1588	5.678	5.85	3.89	3.57	0.280	0.110E	0.180	---	---	3
4	---	---	0.1588	6.578	7.27	3.33	2.97	0.285	0.125E	0.194	---	---	4
5	---	---	0.1588	6.518	8.43	2.85	2.58	0.241	0.121E	0.231	---	---	5
6	---	---	0.1588	6.428	8.57	2.50	2.24	0.232	0.118E	0.215	---	---	6
7	---	---	0.1588	6.38	8.01	2.73	2.01	0.245	0.131E	0.224	---	---	7
8	---	---	0.1588	7.29	7.28	2.88	1.88	0.252	0.148E	0.256	---	---	8
9	---	---	0.1588	7.58	9.35	3.80	1.75	0.235	0.180E	0.243	---	---	9
10	---	---	0.1588	7.40	6.86	7.61	1.88	0.207	0.173E	0.221	---	---	10
11	---	---	0.1575	6.68	7.74	5.46	1.54	0.176	0.188E	0.319	---	---	11
12	---	---	0.1588	8.38	15.5	5.24	1.35	0.161	0.173E	0.489	---	---	12
13	---	---	0.1588	7.41	17.4	4.24	1.22	0.155	0.254E	0.520	---	---	13
14	---	---	0.1588	7.75	15.8	3.57	1.18	0.149	0.231E	0.504	---	---	14
15	---	---	0.1588	7.13	12.9	3.05	1.05	0.135	0.218E	0.500	---	---	15
16	---	---	0.1588	6.51	10.8	2.75	0.989	0.145	0.189E	0.704	---	---	16
17	---	---	0.1588	5.71	8.30	2.94	0.953	0.145	0.182E	2.75	---	---	17
18	---	---	0.1588	5.07	8.19	4.04	0.980	0.140	0.163A	3.35	---	---	18
19	---	---	0.1588	4.54	8.23	3.10	0.872	0.138A	0.172	3.92	---	---	19
20	---	---	0.1588	3.98	8.51	4.11	0.806	0.134E	0.189	4.36	---	---	20
21	---	---	0.1608	3.49	8.89	7.07	0.783	0.134E	0.178	4.08	---	---	21
22	---	---	0.1888	3.28	11.7	5.61	0.676	0.140E	0.200	3.62	---	---	22
23	---	---	0.1928	3.01	11.7	12.8	0.631	0.134E	0.204	3.33	---	---	23
24	---	---	0.2318	2.76	11.8	35.6	0.586	0.123E	0.212	2.97	---	---	24
25	---	---	0.2588	2.92	13.3 A	27.0	0.531	0.117E	0.219	2.58	---	---	25
26	---	---	0.4588	3.31	14.4 A	20.7	0.489	0.109E	0.197	2.40	---	---	26
27	---	---	0.5188	3.84	12.8	14.8	0.468	0.099E	0.192	2.12 B	---	---	27
28	---	---	0.5488	3.68	10.0	10.8	0.472	0.091E	0.198	1.80 B	---	---	28
29	---	---	0.5918	2.76	8.37	8.09	0.423	0.087E	0.212	1.52 B	---	---	29
30	---		0.6288	4.24	7.09	6.43	0.381	0.082E	0.232	1.28 B	---	---	30
31	---		0.6778		6.03		0.389	0.076E		1.22 B		---	31
TOTAL	---	---	7.584	153.64	298.90	236.49	44.969	5.267	5.245	46.780	---	---	TOTAL
MEAN	---	---	0.245	5.12	9.64	7.89	1.45	0.170	0.175	1.51	---	---	MEAN
MAX	---	---	0.677	7.75	17.4	35.6	5.26	0.333	0.254	4.36	---	---	MAX
MIN	---	---	0.158	1.53	4.53	2.50	0.389	0.076	0.070	0.180	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.35
MAXIMUM DAILY, 35.6 ON JUN 24
MINIMUM DAILY, 0.070E ON SEP 1
MAXIMUM INSTANTANEOUS,
38.3 AT 11:28 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 09 10 N
LONG 101 03 10 W
DRAINAGE AREA, 837 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	3 890
FEB	---	AUG	455
MAR	885	SEP	453
APR	13 300	OCT	4 040
MAY	35 700	NOV	---
JUN	20 400	DEC	---

TOTAL DISCHARGE, 86 900 dam³

ROCK LAKE NEAR CLEMORA - STATION NO. 05OD004

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	404.878	404.888	404.892E	405.038E	---	405.214	405.046E	404.922	404.801E	404.736E	404.831	---	1
2	404.876	404.888E	404.888	405.079E	---	405.208E	405.042	404.917E	404.798E	404.734	---	---	2
3	404.875E	404.888E	404.888E	405.118E	---	405.201E	405.042E	404.912	404.794	404.729E	---	404.889	3
4	404.875E	404.888	404.888E	405.158	---	405.184	405.042	404.908E	404.788E	404.724	---	---	4
5	404.876	404.888	404.888	405.180E	---	405.184E	405.037E	404.908E	404.784	404.728E	---	---	5
6	404.878E	404.881E	404.921	405.182	---	405.174	405.032	404.903	404.788E	404.734	---	404.884	6
7	404.880E	404.884E	404.920E	405.186E	---	405.178E	405.038E	404.897E	404.784	404.7[illegible]E	---	---	7
8	404.882E	404.888	404.918E	405.171E	405.275	405.184	405.038E	404.872	404.784E	404.747E	---	---	8
9	404.884E	404.888	404.916	405.178E	405.272E	405.174E	405.042	404.862E	404.784	404.754	---	---	9
10	404.888	404.888E	404.918E	405.181	405.269E	405.184E	405.032E	404.852	404.784	404.784E	---	---	10
11	404.888E	404.888E	404.918E	405.185E	405.265	405.184	405.022	404.852E	404.785E	404.774	---	404.859	11
12	404.891E	404.888E	404.918E	405.210	405.263E	405.157	405.017E	404.852E	404.784	404.788E	---	---	12
13	404.893E	404.888E	404.918	405.212E	405.260E	405.142	405.012	404.852	404.784E	404.784	---	---	13
14	404.895	404.888	404.918E	405.214E	405.258E	405.137E	405.008E	404.847E	404.804	404.784E	404.839	---	14
15	404.897E	404.888E	404.918E	405.218E	405.255	405.132	405.008E	404.862	404.798E	404.784	---	---	15
16	404.898	404.891E	404.918E	405.219	405.255E	405.128E	405.002	404.857E	404.791E	404.774E	---	---	16
17	404.898E	404.892E	404.918	405.221E	405.275	405.119E	404.992E	404.852	404.784	404.784E	---	---	17
18	404.894E	404.894E	404.919E	405.223E	405.300E	405.112	404.982	404.848E	404.778E	404.784	---	---	18
19	404.892E	404.898E	404.922E	405.225E	405.325	405.107E	404.977E	404.845E	404.774	404.808E	---	---	19
20	404.890E	404.898	404.926	405.227	405.325E	405.102	404.972	404.842	404.788E	404.824	404.818	---	20
21	404.888	404.898E	404.942E	405.224E	405.325E	405.097E	404.888E	404.894	404.784	404.828E	---	404.885	21
22	404.885E	404.898E	404.958E	405.220E	405.324	405.092	404.958E	404.844	404.781E	404.834	---	---	22
23	404.882E	404.898E	404.976	405.216	---	405.088E	404.952	404.838E	404.758E	404.834E	404.809	---	23
24	404.878	404.898E	404.986E	405.211E	---	405.088E	404.957E	404.834	404.784	404.834	---	404.878	24
25	404.881E	404.898	404.998E	405.208E	---	405.082	404.982	404.831E	404.744	404.834E	---	---	25
26	404.884E	404.898E	405.008E	405.200	---	405.072E	404.952E	404.828E	404.744E	404.834	---	---	26
27	404.888	404.898	405.018	---	---	405.062	404.942	404.824	404.744	404.837E	---	---	27
28	404.888E	404.898E	405.010E	---	---	405.052	404.938E	404.818E	404.742E	404.840E	---	404.878	28
29	404.888E	---	405.003E	---	405.244	405.050E	404.938E	404.814	404.740E	404.844	404.874	---	29
30	404.888E		404.998	---	405.234E	405.047E	404.932	404.809E	404.738E	404.838E	---	---	30
31	404.886E		405.000		405.224		404.927E	404.804		404.834		404.888	31
MEAN	404.885	---	404.939	---	---	405.130	404.994	404.858	404.788	404.787	---	---	MEAN
MAX	404.898	---	405.018	---	---	405.214	405.046	404.922	404.804	404.844	---	---	MAX
MIN	404.876	---	404.888	---	---	405.047	404.927	404.804	404.738	404.724	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 12 40 N
LONG 99 08 45 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

ROLLING RIVER NEAR ERICKSON - STATION NO 05MF005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.048B	0.032B	0.113B	1.18 B	1.31	1.54	5.30	0.143	0.084	0.148	0.639E	0.648B	1
2	0.047B	0.033B	0.115B	1.24 B	1.47	1.42	4.04	0.147	0.084	0.159	0.544B	0.584B	2
3	0.047B	0.036B	0.121B	1.17 B	1.84	1.31	3.02	0.147	0.083	0.151	0.539B	0.545B	3
4	0.046B	0.037B	0.124B	1.28 B	1.92	1.21	2.32	0.141	0.083	0.145	0.519B	0.534B	4
5	0.045B	0.038B	0.126B	1.36 B	2.55	1.14	1.84	0.128	0.081	0.134	0.493B	0.509B	5
6	0.043B	0.038B	0.132B	1.47 B	3.35	1.09	1.53	0.120	0.059	0.137	0.470B	0.486B	6
7	0.042B	0.041B	0.133B	1.61	3.89	1.17	1.32	0.124	0.085	0.141	0.461B	0.467B	7
8	0.041B	0.044B	0.132B	1.75	4.25	1.40	1.18	0.112	0.068	0.142	0.449B	0.480B	8
9	0.040B	0.047B	0.131B	1.88	4.27	1.84	1.08	0.104	0.159	0.143	0.452B	0.491B	9
10	0.039B	0.047B	0.129B	2.06	4.04	2.07	0.959	0.105	0.204	0.148	0.436B	0.491B	10
11	0.038B	0.047B	0.128B	1.93	3.80	2.12	0.878	0.089	0.123	0.171	0.414B	0.490B	11
12	0.037B	0.056B	0.123B	1.89	3.89	2.06	0.799	0.085	0.089	0.175	0.408B	0.484B	12
13	0.053B	0.058B	0.118B	2.55	4.29	1.84	0.739	0.077	0.087	0.185	0.407B	0.420B	13
14	0.070B	0.063B	0.118B	3.33	4.53	1.62	0.687	0.076	0.113	0.186	0.422B	0.398B	14
15	0.068B	0.068B	0.118B	3.74	4.72	1.46	0.649	0.073	0.148	0.185	0.441B	0.388B	15
16	0.072B	0.069B	0.113B	4.05	4.88	1.35	0.580	0.073	0.178	0.240	0.469B	0.420B	16
17	0.074B	0.073B	0.114B	3.73	4.51	1.45	0.530	0.076	0.173	0.391	0.539B	0.408B	17
18	0.068B	0.076B	0.117B	3.20	4.15	1.82	0.478	0.081	0.180	0.586	0.574B	0.388B	18
19	0.065B	0.078B	0.120B	2.79	3.87	1.96	0.444	0.078	0.141	0.638	0.783B	0.377B	19
20	0.065B	0.078B	0.124B	2.36	3.30	2.07	0.403	0.073	0.118	0.800	0.893B	0.377B	20
21	0.063B	0.078B	0.129B	2.02	3.15	1.88	0.388	0.070	0.113	1.15	0.859B	0.388B	21
22	0.064B	0.083B	0.140B	1.76	3.08	1.85	0.333	0.067	0.111	1.33	0.861B	0.388B	22
23	0.063B	0.086B	0.158B	1.59	2.95	2.38	0.288	0.067	0.128	1.56	0.838B	0.382B	23
24	0.061B	0.090B	0.188B	1.43	2.77	3.72	0.248	0.068	0.182	1.53	0.828B	0.364B	24
25	0.059B	0.083B	0.244B	1.33	2.59	4.70	0.218	0.073	0.188	1.20 B	0.888B	0.331B	25
26	0.060B	0.087B	0.450B	1.24	2.51	5.88	0.213	0.070	0.190	1.02 B	0.810B	0.320B	26
27	0.061B	0.101B	0.784B	1.08	2.41	7.86	0.204	0.073	0.178	0.945B	0.833B	0.328B	27
28	0.062B	0.103B	1.65 B	0.898	2.22	8.04	0.178	0.072	0.181	0.810B	0.845B	0.328B	28
29	0.061B	0.110B	1.85 B	0.973	1.99	7.33	0.151	0.070	0.184	0.818B	0.860B	0.324B	29
30	0.061B		1.21 B	1.13	1.82	6.40	0.143	0.068	0.145	0.843B	0.887B	0.324B	30
31	0.061B		1.16 B		1.66		0.141	0.067		0.718B		0.324B	31
TOTAL	1.352	1.898	10.193	58.181	97.66	81.80	31.272	2.829	3.821	17.041	16.638	13.185	TOTAL
MEAN	0.044	0.065	0.329	1.94	3.15	2.73	1.01	0.091	0.127	0.550	0.555	0.425	MEAN
MAX	0.068	0.110	1.85	4.05	4.72	8.04	5.30	0.147	0.204	1.56	0.783	0.648	MAX
MIN	0.029	0.032	0.113	0.898	1.31	1.09	0.141	0.067	0.059	0.134	0.405	0.320	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.918
MAXIMUM DAILY, 8.04 ON JUN 26
MINIMUM DAILY, 0.0288 ON JAN 25
MAXIMUM INSTANTANEOUS,
8.26 AT 00:26 CST ON JUN 26

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 31 12 N
LONG 99 56 27 W
DRAINAGE AREA, 760 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	117	JUL	2 700
FEB	184	AUG	244
MAR	881	SEP	330
APR	5 030	OCT	1 470
MAY	8 440	NOV	1 440
JUN	7 070	DEC	1 140

TOTAL DISCHARGE, 29 600 dam³

ROSEAU RIVER AT GARDENTON - STATION NO. 05OD004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.3885	33.6 B	10.7	3.07	15.1	2.59	0.230	0.055	---	---	1
2	---	---	0.5428	33.6 B	12.0	2.64	17.7	2.32	0.207	0.045	---	---	2
3	---	---	0.5988	34.2 B	12.5	2.12	16.9	2.01	0.228	0.044	---	---	3
4	---	---	0.5428	36.3	12.3	2.07	15.5	1.77	0.201	0.050	---	---	4
5	---	---	0.4078	36.6	11.8	1.98	16.0	1.80	0.178	0.043	---	---	5
6	---	---	0.3835	33.4	11.0	2.81	12.0	2.41	0.183	0.045	---	---	6
7	---	---	0.3678	32.8	10.3	3.70	10.1	2.38	0.144	0.045	---	---	7
8	---	---	0.3778	32.2	9.38	4.88	8.73	2.01	0.127	0.043	---	---	8
9	---	---	0.4278	32.1	9.05	10.5	8.90	1.74	0.123	0.041	---	---	9
10	---	---	0.4368	31.7	9.00	17.1	8.88	1.48	0.117	0.040	---	---	10
11	---	---	0.4478	31.6	8.82	21.7	8.07	1.24	0.126	0.048	---	---	11
12	---	---	0.4458	32.2	8.15	24.9	8.30	1.03	0.127	0.051	---	---	12
13	---	---	0.3888	30.7	8.62	26.7	8.11	0.921	0.122	0.055	---	---	13
14	---	---	0.3448	28.9	8.11	27.8	8.33	0.805	0.129	0.080	---	---	14
15	---	---	0.3418	27.7	8.41	28.5	11.0	0.737	0.125	0.174	---	---	15
16	---	---	0.3378	26.8	7.88	29.4	11.8	0.881	0.119	0.191	---	---	16
17	---	---	0.2938	24.8	7.25	30.1	12.3	0.857	0.139	0.201	---	---	17
18	---	---	0.2408	22.8	8.42	29.9	11.7	0.618	0.097	0.844	---	---	18
19	---	---	0.2078	21.0	8.12	28.7	10.8	0.584	0.084	0.859	---	---	19
20	---	---	0.1918	19.0	5.84	28.3	9.23	0.545	0.084	0.986	---	---	20
21	---	---	0.1238	17.4	5.86	28.0	8.01	0.551	0.084	0.919	---	---	21
22	---	---	0.1838	15.8	5.33	26.7	8.95	0.528	0.089	3.12	---	---	22
23	---	---	0.1818	14.4	4.81	26.2	5.95	0.508	0.048	5.59	---	---	23
24	---	---	0.2138	13.1	4.70	27.3	5.07	0.478	0.089	7.88	---	---	24
25	---	---	0.2048	11.9	4.53	26.4	4.42	0.533	0.087	8.75	---	---	25
26	---	---	0.8038	10.3	4.46	25.9	3.83	0.481	0.083	8.77	---	---	26
27	---	---	2.49 B	9.86	4.15	25.0	3.40	0.404	0.088	8.43	---	---	27
28	---	---	5.25 B	9.28	4.09	22.7	3.04	0.352	0.055	7.84	---	---	28
29	---	---	11.7 B	9.00	4.02	20.4	2.73	0.308	0.056	7.21	---	---	29
30	---		16.3 B	8.74	3.69	18.7	2.83	0.289	0.058	8.24 B	---	---	30
31	---		21.0 B		3.31		2.74	0.247		8.83 B		---	31
TOTAL	---	---	67.100	696.38	236.81	581.05	292.82	32.784	3.425	75.102	---	---	TOTAL
MEAN	---	---	2.16	23.2	7.60	19.4	9.12	1.06	0.114	2.42	---	---	MEAN
MAX	---	---	21.0	36.3	12.5	30.1	16.1	2.59	0.230	8.77	---	---	MAX
MIN	---	---	0.181	9.00	3.31	1.98	2.83	0.247	0.048	0.040	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.06
MAXIMUM DAILY, 36.3 ON APR 4
MINIMUM DAILY, 0.040 ON OCT 10
MAXIMUM INSTANTANEOUS,
47.4 AT 18:52 CST ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 05 15 N
LONG 96 41 15 W
DRAINAGE AREA, 4 430 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	24 400
FEB	---	AUG	2 830
MAR	6 800	SEP	286
APR	60 200	OCT	6 480
MAY	20 400	NOV	---
JUN	50 200	DEC	---

TOTAL DISCHARGE, 171 000 dam³

ROSEAU RIVER NEAR CARIBOU - STATION NO 05OD030

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.5858	0.3118	0.6518	26.3 B	11.3	2.35	15.5	1.60	0.184	0.010	5.888	2.12 B	1
2	0.5668	0.3408	0.6238	31.1 B	12.3	1.93	16.1	1.44	0.170	0.010	5.388	2.12 B	2
3	0.5668	0.3408	0.6238	34.0 B	12.5	1.84	15.2	1.42	0.183	0.009	5.108	1.84 B	3
4	0.5368	0.3408	0.6238	33.4	12.1	1.47	13.7	1.35	0.139	0.008	4.818	1.55 B	4
5	0.5368	0.3408	0.5958	33.1	11.2	1.39	11.8	1.30	0.123	0.008	4.538	1.13 B	5
6	0.5108	0.3688	0.5958	32.5	10.3	1.35	9.84	1.50	0.093	0.008	4.258	0.9918	6
7	0.5108	0.3688	0.5958	32.6	9.48	1.47	7.50	1.30	0.079	0.010	3.988	0.8508	7
8	0.5108	0.3688	0.5958	32.6	9.00	2.83	8.20	1.19	0.068	0.010	3.698	0.7088	8
9	0.4818	0.3688	0.5388	32.3	8.86	3.83	8.43	1.13	0.068	0.009	3.408	0.6238	9
10	0.4818	0.3688	0.5388	31.7	8.81	17.2	7.14	1.02	0.059	0.008	3.258	0.5958	10
11	0.4818	0.3688	0.5108	31.1	9.03	22.6	8.47	1.08	0.054	0.008	3.118	0.5388	11
12	0.4538	0.3968	0.5108	30.8	8.60	25.1	8.52	1.02	0.048	0.008	2.978	0.5108	12
13	0.4258	0.3968	0.4818	29.4	8.34	26.2	8.01	0.883	0.045	0.008	2.838	0.5108	13
14	0.4258	0.3968	0.4818	28.0	8.75	26.8	9.09	0.934	0.040	0.011	2.898	0.4818	14
15	0.3988	0.4258	0.4538	26.8	8.27	26.9	11.4	0.878	0.031	0.027	2.418	0.4538	15
16	0.3988	0.4258	0.4538	25.3	7.95	27.4	12.3	0.821	0.027	0.085	1.848	0.4538	16
17	0.3868	0.4258	0.4258	23.4	8.04	27.8	11.8	0.785	0.027	0.536	2.278	0.4258	17
18	0.3408	0.4258	0.4258	21.5	8.43	27.8	10.3	0.708	0.027	0.588	1.988	0.4258	18
19	0.3118	0.4538	0.4258	19.7	8.26	27.7	8.72	0.823	0.024	0.708	1.708	0.3968	19
20	0.3118	0.4538	0.3968	17.9	8.78	27.5	7.14	0.823	0.021	0.880	1.588	0.3968	20
21	0.3118	0.4538	0.3968	16.4	8.32	27.4	8.78	0.595	0.018	1.27	1.428	0.3968	21
22	0.2838	0.4818	0.3968	14.8	8.83	27.1	8.73	0.510	0.018	4.84	1.278	0.3968	22
23	0.2838	0.5108	0.3968	13.5	8.78	26.4	3.78	0.481	0.011	7.02	1.138	0.3968	23
24	0.2698	0.5388	0.4258	12.0	8.86	25.5	3.11	0.435	0.010	8.21	1.138	0.3968	24
25	0.2838	0.5968	0.5968	10.8	8.47	24.1	2.88	0.398	0.011	8.73	1.138	0.3968	25
26	0.2838	0.5968	0.8918	9.23	8.18	22.7	2.31	0.340	0.010	8.47	1.278	0.3968	26
27	0.2838	0.8518	2.83 B	8.58	3.98	21.0	1.93	0.311	0.010	8.10	1.428	0.3968	27
28	0.2838	0.8808	7.08 B	8.21	3.88	19.1	1.78	0.283	0.010	7.31	1.708	0.3968	28
29	0.3118	0.4408	14.2 B	8.08	3.84	17.8	1.87	0.258	0.010	8.87	1.988	0.3408	29
30	0.3118		18.8 B	10.0	3.08	18.8	1.84	0.244	0.010	8.80	2.138	0.3408	30
31	0.3118		24.1 B		2.88		1.81	0.215		8.23 B		0.3408	31
TOTAL	12.384	12.827	81.667	688.20	238.04	534.87	236.89	25.832	1.892	78.273	82.02	21.143	TOTAL
MEAN	0.399	0.442	3.63	22.8	7.39	17.8	7.84	0.827	0.063	2.48	2.73	0.882	MEAN
MAX	0.586	0.880	24.1	34.0	12.5	27.8	16.8	1.60	0.184	8.72	8.88	2.12	MAX
MIN	0.399	0.311	0.306	8.21	2.88	1.38	1.81	0.215	0.010	0.008	1.13	0.340	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.47
MAXIMUM DAILY, 34.08 ON APR 3
MINIMUM DAILY, 0.008 ON OCT 4
MAXIMUM INSTANTANEOUS,
34.68 AT 05:00 CST ON APR 3

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 58 54 N
LONG 95 37 44 W
DRAINAGE AREA, 4 120 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	1 070	JUL	20 800
FEB	1 110	AUG	2 210
MAR	7 080	SEP	138
APR	59 500	OCT	8 990
MAY	19 800	NOV	7 080
JUN	48 200	DEC	1 830

TOTAL DISCHARGE, 173 000 dam³

ROSEAU RIVER NEAR DOMINION CITY - STATION NO. 05OD001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.12 B	0.0788	0.6888	15.1 B	10.3	2.84	18.8	1.78	1.15	1.31 E	8.248	1.81 B	1
2	1.18 B	0.0585	0.5288	18.4 B	11.6	2.69	18.1	1.72	1.27	1.28 E	6.718	1.55 B	2
3	1.08 B	0.0408	0.4428	19.2 B	13.1	2.38	17.5	1.61	1.41	1.20 E	5.338	1.47 B	3
4	1.03 B	0.0218	0.4078	33.1 B	13.1	2.02	16.4	1.49	1.29	1.10 E	9.388	1.52 B	4
5	1.03 B	0.0038	0.4738	88.1 B	12.9	1.89	14.6	1.37	1.20	1.06 E	8.588	1.49 B	5
6	1.03 B	0 B	0.5138	47.7	12.0	2.28	13.0	1.73	1.02 E	1.01 E	5.258	1.38 B	6
7	1.06 B	0 B	0.4958	36.5	11.4	3.14	10.9	1.79	0.828E	0.940E	4.628	1.32 B	7
8	0.9728	0 B	0.4658	35.2	10.5	3.82	9.05	1.81	0.713E	0.888E	4.358	1.12 B	8
9	0.8748	0 B	0.4388	34.6	9.67	8.89	7.81	1.84	0.624E	0.781E	3.818	1.00 B	9
10	0.8088	0 B	0.3848	34.6	9.44	14.2	7.83	1.73	0.571E	0.675E	3.598	0.9078	10
11	0.7528	0 B	0.3488	34.6	9.17	18.9	7.86	1.57	0.275E	0.675	3.128	0.8058	11
12	0.7208	0 B	0.3128	35.2	9.10	22.7	7.86	1.43	0.158E	0.840E	3.258	0.7048	12
13	0.8988	0.2698	0.2788	34.6	9.66	25.2	7.87	1.33	0.078E	0.731	3.138	0.8198	13
14	0.8618	0.7488	0.2488	32.9	9.83	28.7	8.05	1.22	0.088E	0.705	2.848	0.8488	14
15	0.8238	0.7528	0.2148	31.1	9.22	27.6	7.87	1.20	0.104E	0.891	2.748	0.8098	15
16	0.8788	0.7688	0.1818	29.7	8.46	28.5	8.17	1.10	0.417E	1.45	2.228	0.8158	16
17	0.8338	0.7658	0.1528	28.2	7.85	29.5	10.1	1.08	0.805E	1.38	2.158	0.8718	17
18	0.8618	0.7588	0.1238	26.1	7.03	30.1	10.3	1.02	1.38 E	1.38	2.048	0.8798	18
19	0.8378	0.7838	0.0988	24.0	8.24	30.0	9.58	1.04	1.78 E	1.35	2.498	0.8838	19
20	0.8008	0.8448	0.0788	22.0	8.01	29.7	8.24	1.11	1.94 E	2.01	2.418	0.9828	20
21	0.8648	0.8638	0.0578	20.0	8.02	29.7	8.81	1.18	1.93 E	2.18	2.208	0.8188	21
22	0.8388	1.18 B	0.0488	18.2	8.84	28.8	8.77	1.18	1.85 E	1.89	2.048	0.8418	22
23	0.8078	1.28 B	0.0468	16.5	8.10	29.1	8.80	1.14	1.76 E	2.88	1.898	0.8828	23
24	0.8038	1.27 B	0.0378	15.1	8.70	28.6	9.84	1.15	1.82 E	8.82	1.748	0.8388	24
25	0.8548	1.08 B	0.8428	13.7	4.36	27.7	3.30	1.21	1.85 E	8.12	1.678	0.8798	25
26	0.2248	0.8528	1.80 B	12.4	4.13	27.1	2.88	1.25	1.82 E	8.07	1.718	0.8428	26
27	0.1838	0.7128	3.88 B	11.5	4.08	26.8	2.48	1.28	1.48 E	8.25	1.708	0.3308	27
28	0.1878	0.8028	8.78 B	11.0	3.78	24.8	2.18	1.43	1.42 E	8.82	1.678	0.3488	28
29	0.1408	0.5868	8.28 B	9.88	3.63	22.5	1.98	1.20	1.38 E	7.61	1.618	0.3708	29
30	0.1128		8.94 B	9.81	3.49	20.1	1.88	1.08	1.38 E	7.52 B	1.568	0.4038	30
31	0.0958		13.2 B		3.18		1.83	1.12		8.17 B		0.4348	31
TOTAL	18.818	14.378	53.837	784.00	244.53	576.91	259.11	42.23	32.862	83.794	101.78	24.637	TOTAL
MEAN	0.597	0.496	1.73	26.6	7.89	19.3	8.36	1.36	1.09	3.03	3.39	0.788	MEAN
MAX	1.18	1.28	13.2	88.1	13.1	30.1	18.8	1.94	1.94	8.25	9.38	1.81	MAX
MIN	0.085	0	0.046	9.81	3.18	1.89	1.83	1.02	0.078	0.675	1.51	0.330	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.69
MAXIMUM DAILY, 88.18 ON APR 6
MINIMUM DAILY, 0B ON FEB 6
MAXIMUM INSTANTANEOUS,
87.1 AT 21:50 CST ON APR 6

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 11 53 N
LONG 97 03 15 W
DRAINAGE AREA, 5 150 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 800	JUL	22 400
FEB	1 240	AUG	3 650
MAR	4 830	SEP	2 820
APR	66 000	OCT	8 100
MAY	21 100	NOV	8 780
JUN	50 000	DEC	2 110

TOTAL DISCHARGE, 192 000 dam³

ROSEISLE CREEK NEAR ROSEISLE - STATION NO. 05RF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.718B	0.132	0.150E	0.058	0	0	0	---	---	1
2	---	---	0 B	0.629B	0.182	1.30 E	0.057	0	0	0	---	---	2
3	---	---	0 B	0.555B	0.275	1.10 E	0.045	0	0	0	---	---	3
4	---	---	0 B	0.489B	0.434	0.400E	0.035	0	0	0	---	---	4
5	---	---	0 B	0.433	0.590	0.150E	0.033	0.001	0	0	---	---	5
6	---	---	0 B	0.389	0.678	0.130E	0.028	0.002	0	0	---	---	6
7	---	---	0 B	0.350	0.780	0.300E	0.024	0.001	0	0	---	---	7
8	---	---	0 B	0.383	0.674A	0.200E	0.038	0	0	0	---	---	8
9	---	---	0 B	0.308	0.588E	0.170E	0.021	0	0	0	---	---	9
10	---	---	0 B	0.284	0.858E	0.130E	0.018	0	0	0	---	---	10
11	---	---	0 B	0.258	0.850E	0.090E	0.012	0	0	0	---	---	11
12	---	---	0 B	0.234	0.679E	0.140E	0.008	0	0	0	---	---	12
13	---	---	0 B	0.412	0.617E	0.310E	0.007	0	0	0	---	---	13
14	---	---	0 B	0.315	0.567E	0.210A	0.007	0	0	0	---	---	14
15	---	---	0 B	0.247	0.497E	0.181A	0.006	0	0	0.001	---	---	15
16	---	---	0 B	0.190	0.437E	0.164A	0.008	0	0	0.002	---	---	16
17	---	---	0 B	0.150	0.377E	0.139A	0.008	0	0	0.001	---	---	17
18	---	---	0 B	0.115	0.317E	0.115A	0.004	0	0	0.001	---	---	18
19	---	---	0 B	0.085	0.257E	0.081	0.003	0	0	0.004	---	---	19
20	---	---	0 B	0.078	0.382E	0.078	0.002	0	0	0.005	---	---	20
21	---	---	0 B	0.059	0.431E	0.075	0.002	0	0	0.005	---	---	21
22	---	---	0 B	0.050	0.384E	0.110	0.002	0	0	0.005	---	---	22
23	---	---	0 B	0.047	0.338E	0.187	0.001	0	0	0.004	---	---	23
24	---	---	0.558B	0.048	0.288E	0.164	0	0	0	0.003	---	---	24
25	---	---	1.02 B	0.048	0.241E	0.152	0	0	0	0.002	---	---	25
26	---	---	1.08 B	0.044	0.194E	0.131	0	0	0	0.002	---	---	26
27	---	---	0.738B	0.041	0.148E	0.124	0	0	0	0.004	---	---	27
28	---	---	0.538B	0.109	0.120E	0.114	0	0	0	0.004	---	---	28
29	---	---	0.468B	0.119	0.800E	0.091	0	0	0	0.003	---	---	29
30	---		0.511B	0.121	0.300E	0.075	0.001	0	0	0.002	---	---	30
31	---		0.737B		0.180E		0	0		0.002A		---	31
TOTAL	---	---	5.752	7.419	12.861	5.751	0.431	0.004	0	0.080	---	---	TOTAL
MEAN	---	---	0.185	0.247	0.415	0.225	0.014	0	0	0.002	---	---	MEAN
MAX	---	---	1.08	0.718	0.780	1.30	0.058	0.002	0	0.005	---	---	MAX
MIN	---	---	0	0.044	0.120	0.075	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.126
MAXIMUM DAILY, 1.30E ON JUN 2
MINIMUM DAILY, 0B ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 10 N
LONG 98 19 40 W
DRAINAGE AREA, 212 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	37.2
FEB	---	AUG	0.35
MAR	497	SEP	0
APR	841	OCT	4.32
MAY	1 110	NOV	---
JUN	583	DEC	---

TOTAL DISCHARGE, 3 070 dam³

ROUND LAKE AT OUTLET - STATION NO. 05ED011

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.859	0.718	0.890	0.808	0.844	1.344	1.883	1.859	1.385	1.114	1.128	1.210	1
2	0.881	0.718	0.884	0.808	0.835	1.364	1.883	1.844	1.371	1.099	1.112	1.219	2
3	0.889	0.721	0.885	0.808	0.894	1.383	1.878	1.831	1.368	1.083	1.110	1.226	3
4	0.871	0.729	0.882	0.808	0.914	1.408	1.870	1.818	1.347	1.088	1.115	1.233	4
5	0.863	0.732	0.878	0.812	0.926	1.431	1.867	1.788	1.332	1.083	1.114	1.240	5
6	0.868	0.733	0.875	0.827	0.941	1.458	1.858	1.787	1.318	1.067	1.100	1.232	6
7	0.895	0.733	0.871	0.858	0.953	1.516	1.872	1.775	1.304	1.061	1.094	1.257	7
8	0.898	0.734	0.887	0.894	0.958	1.550	1.877	1.758	1.292	1.032	1.085	1.317	8
9	0.700	0.731	0.880	0.737	0.978	1.589	1.881	1.735	1.278	1.021	1.087	1.325	9
10	0.700	0.723	0.851	0.754	0.988	1.595	1.878	1.718	1.260	1.010	1.088	1.313	10
11	0.898	0.721	0.859	0.788	1.008	1.622	1.884	1.703	1.247	1.001	1.088	1.311	11
12	0.894	0.717	0.854	0.788	1.028	1.645	1.858	1.688	1.241	1.001	1.087	1.294	12
13	0.888	0.718	0.845	0.788	1.040	1.669	1.858	1.673	1.247	0.998	1.088	1.292	13
14	0.888	0.718	0.845	0.808	1.054	1.688A	1.871	1.655	1.238	0.984	1.093	1.302	14
15	0.888	0.718	0.845	0.810	1.068	1.703	1.878	1.637	1.227	0.984	1.097	1.329	15
16	0.888	0.718	0.845	0.817	1.078	1.724	1.872	1.618	1.218	0.988	1.101	1.352	16
17	0.889	0.718	0.848	0.818	1.087	1.743	1.883	1.610	1.208	1.011	1.095	1.342	17
18	0.889	0.718	0.845	0.817	1.088	1.763	1.887	1.598	1.195	1.053	1.093	1.337	18
19	0.888	0.718	0.845	0.815	1.090	1.770	1.882	1.584	1.183	1.081	1.095	1.337	19
20	0.880	0.718	0.848	0.815	1.091	1.788	1.877	1.588	1.184	1.083	1.097	1.341	20
21	0.890	0.720	0.847	0.809	1.111	1.805	1.878	1.548	1.148	1.088	1.122	1.385	21
22	0.898	0.720	0.847	0.804	1.119	1.844	1.883	1.535	1.165	1.080	1.141	1.372	22
23	0.702	0.718	0.847	0.795	1.122	1.884	1.888	1.521	1.159	1.088	1.147	1.372	23
24	0.701	0.715	0.847	0.791	1.145	1.912	1.858	1.509	1.158	1.102	1.147	1.387	24
25	0.703	0.709	0.848	0.789	1.183	1.930	1.851	1.503	1.148	1.108	1.152	1.388	25
26	0.718	0.704	0.843	0.787	1.218	1.948	1.845	1.490	1.150	1.108	1.173	1.372	26
27	0.718	0.698	0.841	0.789	1.237	1.885	1.838	1.478	1.161	1.120	1.188	1.388	27
28	0.718	0.697	0.837A	0.807	1.280	1.874	1.828	1.458	1.148	1.128	1.188	1.407	28
29	0.718	0.695	0.824	0.817	1.278	1.881	1.908	1.438	1.138	1.128	1.205	1.408	29
30	0.718		0.818	0.828	1.281	1.884	1.893	1.418	1.128	1.128	1.209	1.408	30
31	0.718		0.814		1.309		1.875	1.404		1.128		1.409A	31
MEAN	0.895	0.718	0.863	0.752	1.070	1.699	1.862	1.631	1.230	1.081	1.122	1.324	MEAN
MAX	0.718	0.734	0.890	0.828	1.309	1.884	1.903	1.858	1.385	1.128	1.209	1.409	MAX
MIN	0.859	0.695	0.814	0.808	0.844	1.344	1.875	1.404	1.128	0.984	1.088	1.210	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 1.182
MAXIMUM DAILY, 1.903 ON JUL 22
MINIMUM DAILY, 0.805 ON APR 2
MAXIMUM INSTANTANEOUS,
2.013 AT 04:05 CST ON JUL 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 01 40 N
LONG 96 23 20 W

A - MANUAL GAUGE

NATURAL FLOW

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

RUSSELL LAKE NEAR MERRIDY - STATION NO 05EB005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	324.330E	324.177A	324.030	324.160	324.285	324.298	324.192	324.242	324.244	324.222	324.230	1
2	---	324.325E	324.176	324.026	324.168	324.287	324.281	324.185	324.250	324.233	324.222	324.225	2
3	---	324.320E	324.174	324.015	324.172	324.285	324.278	324.180	324.253	324.272	324.222	324.219	3
4	---	324.315E	324.164A	324.012	324.172	324.284	324.288	324.184	324.255	324.228	324.226	324.210	4
5	---	324.310E	324.157E	324.007	324.174	324.280	324.287	324.187	324.256	324.226	324.224	324.204	5
6	---	324.300E	324.150	324.003	324.179	324.271	324.271	324.184	324.258	324.220	324.218	324.201	6
7	---	324.295E	324.145	323.998	324.182	324.252	324.277	324.176	324.248	324.217	324.218	324.201	7
8	---	324.292E	324.139	324.000	324.185	324.255	324.276	324.190	324.263	324.218	324.226	324.197	8
9	---	324.287E	324.132	323.999	324.185	324.280	324.288	324.182	324.277	324.217	324.228	324.184	9
10	---	324.282E	324.128	324.005	324.189	324.291	324.280	324.200	324.282	324.218	324.228	324.185	10
11	---	324.277E	324.122	324.008	324.190	324.273	324.257	324.185	324.287	324.209	324.229	324.182	11
12	---	324.272E	324.115	324.007	324.187	324.257	324.252	324.175	324.281	324.208	324.224	324.177E	12
13	---	324.267A	324.108E	324.008	324.204	324.257	324.245	324.174	324.284	324.214	324.230	324.172E	13
14	---	324.288	324.108E	324.010	324.207	324.278	324.236	324.177	324.288	324.210	324.238	324.167E	14
15	---	324.280	324.095E	324.013	324.208	324.274	324.248	324.187	324.290	324.201	324.259	324.162E	15
16	---	324.267	324.090E	324.017	324.207	324.281	324.247	324.182	324.295	324.190	324.259	324.158E	16
17	---	324.255	324.082A	324.027	324.210	324.254	324.257	324.186	324.287	324.213	324.257	324.153E	17
18	---	324.249	324.079	324.040	324.227	324.285	324.243	324.148	324.288	324.234	324.248	324.149E	18
19	---	324.242	324.077	324.051	324.233	324.289	324.236	324.145	324.278	324.228	324.246	324.145E	19
20	---	324.237	324.073	324.068	324.229	324.287	324.223	324.180	324.281	324.241	324.252	324.140E	20
21	---	324.229	324.065	324.085	324.238	324.284	324.232	324.199	324.283	324.241	324.256	324.138E	21
22	---	324.224	324.059	324.098	324.260	324.285	324.230	324.234	324.260	324.250	324.257	324.130E	22
23	---	324.225E	324.052	324.107	324.258	324.281	324.225	324.238	324.281	324.241	324.255	324.125E	23
24	324.378A	324.220E	324.047	324.114	324.257	324.287	324.218	324.242	324.282	324.245	324.253	324.120E	24
25	324.370E	324.211	324.045	324.122	324.263	324.289	324.212	324.245	324.285	324.247	324.250	324.115E	25
26	324.362E	324.208	324.052	324.127	324.264	324.291	324.217	324.254	324.254	324.252	324.248	324.110E	26
27	324.358E	324.200A	324.052	324.135	324.270	324.287	324.222	324.248	324.258	324.244	324.247	324.105E	27
28	324.350E	324.192E	324.048	324.142	324.278	324.288	324.214	324.271	324.251	324.253	324.241	324.100E	28
29	324.345E	324.183E	324.048	324.148	324.274	324.300	324.208	324.278	324.263	324.254	324.238	324.095E	29
30	324.340E		324.043	324.157	324.273	324.308	324.200	324.248	324.244	324.235	324.236	324.090E	30
31	324.335E		324.038		324.271		324.192	324.243		324.214		324.088E	31
MEAN	---	324.260	324.096	324.053	324.218	324.279	324.244	324.199	324.268	324.228	324.238	324.158	MEAN
MAX	---	324.330	324.177	324.157	324.278	324.308	324.298	324.278	324.295	324.254	324.259	324.230	MAX
MIN	---	324.183	324.038	323.998	324.160	324.252	324.192	324.145	324.240	324.190	324.218	324.088	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MINIMUM DAILY, 323.998 ON APR 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 20 24 N
LONG 101 21 48 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. HYDRO EXT.)

SASKATCHEWAN RIVER AT GRAND RAPIDS - STATION NO. 05KL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1 080	304	825	145	489	608	180	485	93.8	281	939	126	1
2	288	313	887	582	902	187	128	489	92.5	328	1 080	343	2
3	105	278	401	422	605	180	430	741	94.8	305	1 030	841	3
4	378	186	473	432	585	824	183	282	93.8	278	880	815	4
5	227	381	970	387	243	702	280	275	98.0	207	974	788	5
6	248	717	850	501	188	788	248	518	304	97.5	932	442	6
7	488	945	388	228	698	780	98.2	843	848	93.9	985	93.8	7
8	280	811	1 050	187	843	719	101	351	117	93.8	588	92.8	8
9	783	373	1 070	821	481	854	180	378	114	125	279	178	9
10	1 050	580	1 380	853	548	388	233	398	588	142	138	107	10
11	1 080	328	1 400	884	518	885	554	110	211	225	110	330	11
12	1 050	245	1 420	842	191	784	488	134	478	288	107	833	12
13	890	504	1 400	870	221	838	774	781	320	103	237	915	13
14	887	301	1 410	188	480	575	284	715	172	98.5	188	888	14
15	828	277	1 170	188	588	488	94.2	501	93.8	720	308	280	15
16	808	341	1 080	548	584	432	377	558	93.1	872	180	871	16
17	1 040	586	1 150	372	825	195	218	587	317	575	185	1 170	17
18	1 040	285	1 090	401	837	545	418	114	280	227	118	1 220	18
19	1 050	277	1 070	443	191	441	802	108	482	312	217	875	19
20	1 030	380	728	171	198	488	474	183	388	93.8	111	333	20
21	1 030	249	388	134	188	538	127	115	235	101	138	229	21
22	970	378	708	132	293	880	188	103	101	784	135	189	22
23	884	388	635	428	538	218	527	180	92.3	822	98.5	715	23
24	981	894	308	545	587	141	375	95.3	430	803	105	1 140	24
25	1 040	333	213	507	485	832	418	94.7	137	845	95.0	985	25
26	1 070	300	902	592	201	383	551	95.8	122	488	301	1 080	26
27	1 050	938	978	820	188	237	439	703	158	110	135	1 010	27
28	798	824	813	438	388	377	128	588	304	93.9	188	1 230	28
29	112	883	888	245	635	470	134	898	95.5	718	387	1 240	29
30	488		752	587	588	118	513	383	98.5	625	188	1 130	30
31	332		384		830		512	117		739		1 180	31
TOTAL	23 857	13 338	27 727	12 804	13 909	14 803	10 111.4	11 750.8	8 787.3	11 334.5	11 378.8	20 468.2	TOTAL
MEAN	780	480	894	420	449	487	326	378	227	368	378	880	MEAN
MAX	1 050	945	1 420	892	898	788	774	843	848	845	1 080	1 240	MAX
MIN	105	188	213	132	188	118	94.2	94.7	92.3	93.8	98.0	93.8	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 485
MAXIMUM DAILY, 1 420 ON MAR 12
MINIMUM DAILY, 92.3 ON SEP 23

DATA CONTRIBUTED BY -
MANITOBA HYDRO

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 53 09 50 N
LONG 99 20 55 W
DRAINAGE AREA, 363 000 km²

REGULATED SINCE 1964

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 040 000	JUL	874 000
FEB	1 150 000	AUG	1 020 000
MAR	2 400 000	SEP	587 000
APR	1 080 000	OCT	978 000
MAY	1 200 000	NOV	983 000
JUN	1 280 000	DEC	1 770 000

TOTAL DISCHARGE, 15 400 000 dam³

SASKATCHEWAN RIVER AT THE PAS - STATION NO. 05KJ001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2818	3598	3838	3438	814	758	712	398	322	382	3508	2818	1
2	2858	3628	3898	3448	788	715	706	380	321	378	3448	2808	2
3	2908	3638	3758	3628	778	747	672	372	315	377	3398	2818	3
4	2858	3618	3758	3698	780	742	637	371	312	378	3348	2808	4
5	3008	3698	3858	4218	758	717	628	385	322	381	3318	2588	5
6	3048	3598	3558	4558	748	710	613	395	334	353	3278	2548	6
7	3128	3678	3498	5088	700	739	583	378	338A	357	3288	2538	7
8	3188	3788	3488	5858	887	830	563	388	342A	388	3248	2588	8
9	3218	3888	3488	6218	841	778	521	358	402A	358	3228	2638	9
10	3238	3888	3478	6748	843	698	498	384	404A	352	3288	2878	10
11	3248	3908	3488	7488	870	834	505	353	381A	388	3278	2898	11
12	3248	3898	3508	8508	836	842	523	347	357A	384	3238	2888	12
13	3278	3868	3528	9488	801	872	548	353	362A	408	3198	2858	13
14	3288	3878	3558	1 0408	874	884	588	341	382	382	3138	2838	14
15	3308	3888	3588	1 0908	871	838	581	330	348	388	3078	2588	15
16	3288	3878	3558	1 1308	875	830	534	340	342	414	2918	2528	16
17	3268	3888	3538	1 1808	894	844	483	332	341	481	2778	2538	17
18	3278	3878	3538	1 120	852A	845	471	330	338	411	2668	2818	18
19	3248	3858	3538	1 050	877A	822	483	333	337	424	2818	2888	19
20	3258	3848	3488	1 110	801A	817	484	329	348	444	2588	2848	20
21	3288	3888	3408	1 120	832A	831	470	313	372	467	2488	3598	21
22	3268	3858	3358	1 070	828E	857	488	331	434	433	2488	2558	22
23	3258	3838	3378	1 040	831E	878	438	343	500	414	2528	2858	23
24	3278	3758	3418	1 020	849A	705	432	334	388	418	2558	2788	24
25	3318	3858	3488	1 010	883	898	442	333	342	423	2808	2808	25
26	3348	3888	3508	1 030	858	882	488	334	345	381	2828	2828	26
27	3368	3838	3488	1 010	878	877	488	313	348	370	2838	2878	27
28	3388	3838	3488	1 020	702	888	463	314	343	3708	2828	2888	28
29	3428	3888	3478	981	704	702	431	298	350	3888	2828	2858	29
30	3908		3518	872	728	713	421	250	388	3838	2838	2888	30
31	3858		3488		771		413	284		3878		2878	31
TOTAL	9 884	10 871	10 803	25 147	20 888	20 888	15 153	10 883	10 700	12 108	8 838	8 281	TOTAL
MEAN	322	378	382	838	887	888	821	341	357	391	285	288	MEAN
MAX	385	390	378	1 180	814	830	712	398	800	481	350	287	MAX
MIN	281	353	338	343	882	817	413	248	312	352	248	252	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 451
MAXIMUM DAILY, 1 180B ON APR 17
MINIMUM DAILY, 248B ON NOV 21
MAXIMUM INSTANTANEOUS,
1 170B AT 06:12 CST ON APR 17

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 50 30 N
LONG 101 11 10 W
DRAINAGE AREA, 347 000 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	883 000	JUL	1 400 000
FEB	839 000	AUG	814 000
MAR	942 000	SEP	824 000
APR	2 170 000	OCT	1 050 000
MAY	1 780 000	NOV	764 000
JUN	1 780 000	DEC	714 000

TOTAL DISCHARGE, 14 300 000 dam³

SCHIST LAKE NEAR CHANNING - STATION NO. 05KE004

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	291.814	291.957	292.041	291.977	291.885	291.679	---	---	1
2	---	---	---	---	291.812	291.954	292.030	291.973	291.882	291.678	---	---	2
3	---	---	---	---	291.802	291.949	292.022	291.969	291.872	291.676	---	---	3
4	---	---	---	---	291.799	291.953	292.018	291.965	291.867	291.676	---	---	4
5	---	---	---	---	291.853	291.952	292.019	291.961	291.868	291.672	---	---	5
6	---	---	291.705A	---	291.882	291.953	292.019	291.959	291.868	291.882	---	---	6
7	---	---	---	---	291.885	291.955	292.020	291.966	291.871	291.882	---	---	7
8	---	---	---	---	291.880	291.978	292.008	291.980	291.910	291.889	---	---	8
9	---	---	---	---	291.878	291.985	292.001	291.954	291.926	291.857	---	---	9
10	---	---	---	---	291.877	291.989	291.999	291.952	291.935	291.895	---	---	10
11	---	---	---	---	291.873	291.985	291.997	291.947	291.944	291.851	---	---	11
12	---	---	---	---	291.870	291.985	291.992	291.942	291.946	291.850	---	---	12
13	---	---	---	---	291.868	291.988	291.988	291.943	291.953	291.849	---	---	13
14	---	---	---	291.853A	291.870	291.980	291.985	291.953	291.958	291.845	---	---	14
15	---	---	---	291.872	291.870	291.987	291.988	291.952	291.957	291.832	---	---	15
16	---	---	---	291.887	291.887	291.988	291.983	291.948	291.957	291.888	---	---	16
17	---	---	---	291.887	291.870	291.988	291.984	291.960	291.954	291.883	---	---	17
18	---	---	---	291.907	291.884	291.987	291.988	291.938	291.948	291.887	---	---	18
19	---	---	---	291.915	291.870	291.988	291.985	291.935	291.942	291.904	---	---	19
20	---	---	---	291.923	291.878	292.001	291.986	291.938	291.941	291.914	---	---	20
21	---	---	---	291.931	291.881	292.017	291.987	291.921	291.933	291.924	---	---	21
22	---	---	---	291.936	291.900	292.017	291.987	291.922	291.918	291.932	---	---	22
23	---	---	---	291.937	291.907	292.013	291.983	291.918	291.928	291.933	---	---	23
24	---	---	---	291.937	291.910	292.020	291.982	291.906	291.925	291.934	---	---	24
25	---	---	---	291.938	291.912	292.040	291.979	291.905	291.917	291.945	---	---	25
26	---	---	---	291.935	291.917	292.038	291.992	291.916	291.909	291.938	---	---	26
27	---	---	---	291.928	291.924	292.046	291.993	291.910	291.903	291.928A	---	---	27
28	---	---	---	291.925	291.934	292.047	291.991	291.903	291.897	291.923E	---	---	28
29	---	---	---	291.924	291.938	292.050	291.988	291.893	291.890	291.917E	---	---	29
30	---		---	291.916	291.939	292.047	291.983	291.891	291.885	291.912E	---	---	30
31	---		---		291.948		291.979	291.887		291.906A		---	31
MEAN	---	---	---	---	291.885	291.985	291.986	291.937	291.916	291.889	---	---	MEAN
MAX	---	---	---	---	291.948	292.050	292.041	291.977	291.957	291.946	---	---	MAX
MIN	---	---	---	---	291.864	291.949	291.979	291.887	291.858	291.832	---	---	MIN

WATER LEVELS IN METRES

MAXIMUM DAILY, 292.050 ON JUN 28

MAXIMUM INSTANTANEOUS,
292.058 AT 15:46 CST ON JUN 29

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1935 ADJ.)

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 54 45 20 N
LONG 101 49 30 W

A - MANUAL GAUGE

E - ESTIMATED

SCISSOR CREEK NEAR MCAULEY - STATION NO. 05ME005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.001	0	0	---	---	---	---	---	---	1
2	---	---	0 B	0	0	0	---	---	---	---	---	---	2
3	---	---	0 B	0	0	0	---	---	---	---	---	---	3
4	---	---	0 B	0	0	0	---	---	---	---	---	---	4
5	---	---	0 B	0	0	0	---	---	---	---	---	---	5
6	---	---	0 B	0	0	0	---	---	---	---	---	---	6
7	---	---	0 B	0	0	0	---	---	---	---	---	---	7
8	---	---	0 B	0	0	0	---	---	---	---	---	---	8
9	---	---	0 B	0	0	0	---	---	---	---	---	---	9
10	---	---	0 B	0	0	0	---	---	---	---	---	---	10
11	---	---	0 B	0	0	0	---	---	---	---	---	---	11
12	---	---	0 B	0	0	0	---	---	---	---	---	---	12
13	---	---	0 B	0	0	0	---	---	---	---	---	---	13
14	---	---	0 B	0	0	0	---	---	---	---	---	---	14
15	---	---	0 B	0	0	0	---	---	---	---	---	---	15
16	---	---	0 B	0	0	0	---	---	---	---	---	---	16
17	---	---	0 B	0	0	0	---	---	---	---	---	---	17
18	---	---	0 B	0	0	0	---	---	---	---	---	---	18
19	---	---	0 B	0	0	0	---	---	---	---	---	---	19
20	---	---	0 B	0	0	0	---	---	---	---	---	---	20
21	---	---	0.002A	0	0	0	---	---	---	---	---	---	21
22	---	---	0.005	0	0	0	---	---	---	---	---	---	22
23	---	---	0.004	0	0	0	---	---	---	---	---	---	23
24	---	---	0.003	0	0	0	---	---	---	---	---	---	24
25	---	---	0.004	0	0	0	---	---	---	---	---	---	25
26	---	---	0.012	0	0	0	---	---	---	---	---	---	26
27	---	---	0.008	0	0	0	---	---	---	---	---	---	27
28	---	---	0.005	0	0	0	---	---	---	---	---	---	28
29	---	---	0.003	0	0	0	---	---	---	---	---	---	29
30	---		0.002	0	0	0	---	---	---	---	---	---	30
31	---		0.001		0		---	---		---		---	31
TOTAL	---	---	0.050	0.001	0	0	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.002	0	0	0	---	---	---	---	---	---	MEAN
MAX	---	---	0.012	0.001	0	0	---	---	---	---	---	---	MAX
MIN	---	---	0	0	0	0	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.012 ON MAR 26
MINIMUM DAILY, 0E ON MAR 1
MAXIMUM INSTANTANEOUS,
0.033 AT 16:54 CST ON MAR 26

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 16 16 N
LONG 101 23 04 W
DRAINAGE AREA, 182 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	4.33	SEP	---
APR	0.09	OCT	---
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 4.41 dam³

SEAL RIVER BELOW GREAT ISLAND - STATION NO. 06EC001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3020	2120	1600	1280	7080	7710	820	432	336	312	2440	1930	1
2	2980	2100	1590	1280	7230	7770	811	426	332	310	2410	1910	2
3	2940	2080	1580	1280	7420	7980	596	422	328	310	2380	1900	3
4	2880	2060	1560	1270	7840	8270	578	414	328	324	2350	1900	4
5	2840	2040	1550	1270	7780	8480	581	406	330	321	2330	1890	5
6	2810	2020	1540	1270	8010	8400	557	400	331	319	2300	1880	6
7	2780	2010	1530	1270	8230	8330	548	387	322	318	2280	1870	7
8	2760	1990	1520	1270	8540	8270	542	385	324	316	2260	1860	8
9	2750	1970	1500	1270	8780	8210	538	377	329	316	2240	1850	9
10	2720	1950	1490	1270	9070	8180	533	374	335	319	2220	1840	10
11	2680	1930	1480	1270	9350	8050	527	380	337	318	2200	1830	11
12	2630	1910	1470	1270	9630	7930	520	375	338	318	2190	1820	12
13	2600	1890	1460	1270	9870	7820	514	370	338	318	2170	1820	13
14	2570	1870	1440	1270	1 0500	7760	503	365	337	317	2140	1810	14
15	2540	1870	1430	1270	1 1000	780	493	359	340	317	2130	1800	15
16	2510	1840	1420	1270	1 1800	752	486	372	341	314	2110	1790	16
17	2480	1820	1410	1280	1 2700	743	481	367	343	299	2090	1790	17
18	2430	1800	1380	1330	1 3200	733	474	359	343	297	2060	1780	18
19	2410	1780	1380	1390	1 4100	724	472A	350	339	289	2060	1770	19
20	2400	1770	1380	1570	1 4300	.14	489E	343	336	289	2050	1760	20
21	2380	1760	1370	2810	1 4700	702	487E	326	331	308	2040	1760	21
22	2340	1750	1360	4540	1 4700	701	488E	316	326	304	2030	1750	22
23	2310	1720	1340	6170	1 4800	689	484E	327	315	300	2020	1750	23
24	2290	1700	1330	7170	1 4800	688	483E	322	320	278	2010	1740	24
25	2270	1690	1320	7340	1 4700	684	483A	317	328	2700	2000	1730	25
26	2240	1670	1310	7280	1 4300	667	460	315	321	2660	1980	1720	26
27	2220	1660	1310	7110	1 3700	655	456	316	320	2620	1970	1720	27
28	2200	1640	1300	8080	1 1800	643	450	316	319	2580	1950	1710	28
29	2180	1620	1300	8950	8410	642	446	316	317	2540	1940	1700	29
30	2150		1290	8950	8010	631	447	322	316	2500	1930	1700	30
31	2140		1280		7710		435	326		2470		1690	31
TOTAL	7 842	5 404	4 424	8 926	33 395	22 457	15 840	11 194	9 908	9 250	6 430	5 577	TOTAL
MEAN	253	193	143	296	1 080	748	505	361	330	298	214	180	MEAN
MAX	302	212	180	734	1 480	846	820	432	343	324	244	193	MAX
MIN	214	182	129	127	708	631	435	315	315	247	193	169	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 384
MAXIMUM DAILY, 1 480B ON MAY 23
MINIMUM DAILY, 1270 ON APR 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 53 30 N
LONG 96 16 31 W
DRAINAGE AREA, 48 200 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	676 000	JUL	1 350 000
FEB	487 000	AUG	887 000
MAR	382 000	SEP	858 000
APR	771 000	OCT	799 000
MAY	2 880 000	NOV	556 000
JUN	1 940 000	DEC	482 000

TOTAL DISCHARGE, 12 100 000 dam³

SEINE RIVER DIVERSION NEAR ILE DES CHENES - STATION NO 05OE011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	5 22 B	0 379	0 106	1.80	0 158	0 011	0 146	---	---	1
2	---	---	0 B	5 02 B	0 382	0.080	1 38	0 150	0 009	0 134	---	---	2
3	---	---	0 B	3 58 B	0 440	0.067	1 01	0 143	0 009	0 126	---	---	3
4	---	---	0 B	2 69 B	0 408	0 057	0 847	0 130	0 010	0 132	---	---	4
5	---	---	0 B	2 01 B	0 385	0.053	0 711	0 121	0.011	0 118	---	---	5
6	---	---	0 B	1 55 B	0 374	0 109	0 590	0 115	0 013	0 105	---	---	6
7	---	---	0 B	1 24 B	0 340	0 208	0 501	0 095	0 018	0 107	---	---	7
8	---	---	0 B	1 02	0 315	0 209	0 458	0 108	0 022	0 255	---	---	8
9	---	---	0 B	1 05	0 304	0 586	0 395	0 113	0 025	0 247	---	---	9
10	---	---	0 B	0 853	0 303	9 31	0 348	0 084	0 029	0 302	---	---	10
11	---	---	0 B	0 538	0 294	13 1	0 321	0 070	0 032	0 181	---	---	11
12	---	---	0 B	0 480	0 320	14 8	0 315	0 058	0 043	0 184	---	---	12
13	---	---	0 B	0 411	0 314	19 3	0 278	0 048	0 050	0 253	---	---	13
14	---	---	0 B	0 376	0 293	18 7	0 240	0 040	0.058	0.293	---	---	14
15	---	---	0 B	0 338	0 279	14 1	0.207	0.031	0 114	0.333	---	---	15
16	---	---	0 B	0 297	0 260	12.8	0 225	0 022	0 158	0 357	---	---	16
17	---	---	0 B	0 268	0 223	11 7	0 229	0 018	0 158	0 350	---	---	17
18	---	---	0 B	0 254	0 324	11 1	0 198	0 012	0 152	0 353	---	---	18
19	---	---	0 B	0 248	0 376	10.3	0 180	0.010	0 148	0 385	---	---	19
20	---	---	0 B	0 237	0 384	8.38	0 188	0.010	0 121	0.341	---	---	20
21	---	---	0 B	0.228	0 348	8.78	0.205	0 011	0 108	0.330	---	---	21
22	---	---	0 B	0 217	0 280	5.45	0 180	0 026	0.087	0.350	---	---	22
23	---	---	0 1058	0 200	0 228	4.88	0 101	0.053	0 051	0.367	---	---	23
24	---	---	0 4038	0 158	0 198	4.10	0.081	0 081	0 049	0.334	---	---	24
25	---	---	0.7028	0 140	0.184	3 70	0.068	0.072	0.080	0.288	---	---	25
26	---	---	0 8328	0 115	0 184	3.95	0 048	0 058	0 054	0.270	---	---	26
27	---	---	4 08 B	0 140	0 158	2 56	0.041	0.045	0 143	0.247	---	---	27
28	---	---	5 84 B	0 194	0 187	2.85	0.197	0.038	0 180	0.211	---	---	28
29	---	---	6 47 B	0 311	0.184	2.87	0 218	0.027	0 188	0 2188	---	---	29
30	---		6 40 B	0.382	0 152	2.38	0 192	0 018	0 151	0.1888	---	---	30
31	---		5.84 B		0 130		0.178	0.014		0.1588		---	31
TOTAL	---	---	30.882	28.747	8.852	180.873	11.889	1 976	2.210	7.532	---	---	TOTAL
MEAN	---	---	0.886	0.882	0 288	6.03	0.383	0.064	0 074	0.243	---	---	MEAN
MAX	---	---	6.47	5.22	0 440	19.3	1.80	0 158	0.180	0.367	---	---	MAX
MIN	---	---	0	0.115	0.130	0.053	0.041	0 010	0.009	0.105	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.12
MAXIMUM DAILY, 19 3 ON JUN 13
MINIMUM DAILY, 00 ON MAR 1
MAXIMUM INSTANTANEOUS,
20.5 AT 11:54 CST ON JUN 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 41 40 N
LONG 96 59 19 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 030
FEB	---	AUG	171
MAR	2 870	SEP	181
APR	2 570	OCT	651
MAY	785	NOV	---
JUN	15 800	DEC	---

TOTAL DISCHARGE, 23 800 dam³

SEINE RIVER DIVERSION NEAR STE. ANNE - STATION NO 05OH008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.54 B	0.160	0.001	0.938	0	0	0	---	---	1
2	---	---	0 B	1.39 B	0.138	0.001	0.774	0	0	0	---	---	2
3	---	---	0 B	1.12 B	0.083	0.001	0.700	0	0	0	---	---	3
4	---	---	0 B	0.8178	0.048	0.001	0.581	0	0	0	---	---	4
5	---	---	0 B	0.8078	0.031	0.001	0.484	0	0	0	---	---	5
6	---	---	0 B	0.4458	0.018	0.001	0.378	0	0	0	---	---	6
7	---	---	0 B	0.358	0.020	0.001	0.284	0	0	0	---	---	7
8	---	---	0 B	0.881	0.018	0.135	0.226	0	0	0	---	---	8
9	---	---	0 B	0.307	0.031	2.28	0.205	0	0	0	---	---	9
10	---	---	0 B	0.017	0.026	10.9	0.139	0	0	0	---	---	10
11	---	---	0 B	0.011	0.018	12.8	0	0	0	0	---	---	11
12	---	---	0 B	0.008	0.011	15.2	0	0	0	0	---	---	12
13	---	---	0 B	0.007	0.003	18.9	0	0	0	0	---	---	13
14	---	---	0 B	0.005	0.018	18.2	0	0	0	0	---	---	14
15	---	---	0 B	0.005	0.032	14.8	0	0	0	0	---	---	15
16	---	---	0 B	0.002	0.018	12.8	0	0	0	0	---	---	16
17	---	---	0 B	0.001	0.008	10.4	0	0	0	0	---	---	17
18	---	---	0 B	0.001	0.005	8.20	0	0	0	0	---	---	18
19	---	---	0 B	0.001	0.001	6.78	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0.001	6.67	0	0	0	0	---	---	20
21	---	---	0 B	0.001	0.001	4.63	0	0	0	0	---	---	21
22	---	---	0 B	0.001	0.001	3.65	0	0	0	0	---	---	22
23	---	---	0 B	0.001	0.001	3.01	0	0	0	0	---	---	23
24	---	---	0 B	0.001	0.001	2.53	0	0	0	0	---	---	24
25	---	---	0.0088	0.001	0.001	1.61	0	0	0	0	---	---	25
26	---	---	0.0108	0.001	0.001	1.23	0	0	0	0	---	---	26
27	---	---	0.3508	0.001	0.001	1.15	0	0	0	0	---	---	27
28	---	---	1.01 B	0.001	0.001	1.58	0	0	0	0	---	---	28
29	---	---	1.48 B	0.002	0.001	1.82	0	0	0	0	---	---	29
30	---	---	1.78 B	0.184	0.001	1.27	0	0	0	0	---	---	30
31	---		1.88 B		0.001		0			0		---	31
TOTAL	---	---	8.288	7.807	0.898	159.722	4.880	0	0	0	---	---	TOTAL
MEAN	---	---	0.203	0.280	0.023	5.32	0.150	0	0	0	---	---	MEAN
MAX	---	---	1.78	1.54	0.180	15.9	0.938	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0.001	0.001	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 731
MAXIMUM DAILY, 15 9 ON JUN 13
MINIMUM DAILY, 0 0 ON MAR 1
MAXIMUM INSTANTANEOUS,
15 9 AT 15:55 CST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 10 N
LONG 96 39 10 W

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	403
FEB	---	AUG	0
MAR	544	SEP	0
APR	675	OCT	0
MAY	80 4	NOV	---
JUN	13 800	DEC	---

TOTAL DISCHARGE, 15 500 dam³

SEINE RIVER NEAR PRAIRIE GROVE - STATION NO 05OH006

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0 0858	0 0118	0 0228	1 81 B	1 10	0 485	0 555	0 084E	0 002E	0 E	0 2988	0 4788	1
2	0 0648	0 0118	0 0218	1 88 B	1 11	0 411	0 558	0 086A	0 002E	0 E	0 2678	0 3988	2
3	0 0528	0 0118	0 0218	2 04 B	1 08	0 378	0 530	0 102	0 002E	0 E	0 2988	0 2988	3
4	0 0508	0 0118	0 0218	2 20 B	1 05	0 348	0 489	0 102A	0 002E	0 E	0 2768	0 2388	4
5	0 0488	0 0118	0 0218	2 22 B	1 03	0 317	0 469	0 104E	0 002E	0 E	0 2648	0 1858	5
6	0 0468	0 0118	0 0208	2 12 B	1 01	0 303	0 450	0 106E	0 002A	0 E	0 2638	0 1408	6
7	0 0438	0 0118	0 0208	2 00 B	1 01	0 336	0 445	0 109E	0 002	0 E	0 2508	0 1408	7
8	0 0408	0 0118	0 0208	1 85 B	1 01	0 482	0 468	0 110E	0 001	0 E	0 2628	0 1418	8
9	0 0378	0 0118	0 0188	1 75 B	0 998	1 32	0 475	0 111A	0 001	0 E	0 2578	0 1448	9
10	0 0348	0 0128	0 0198	1 68 B	1 00	3 07 A	0 461	0 138	0 001	0 E	0 2548	0 1528	10
11	0 0318	0 0128	0 0188	1 34 B	1 01	2 22 E	0 447	0 131	0 001	0 E	0 2628	0 1588	11
12	0 0288	0 0138	0 0168	1 23 B	1 01	1 80 E	0 658	0 133	0 002	0 E	0 2528	0 1408	12
13	0 0268	0 0138	0 0188	0 9708	1 01	1 74 A	0 647	0 121	0 050	0 E	0 2388	0 1388	13
14	0 0238	0 0148	0 0178	0 8808	0 997	2 88	0 582	0 100E	0 044	0 010E	0 2248	0 1288	14
15	0 0228	0 0158	0 0178	0 8308	0 962	1 88	0 499	0 081E	0 020	0 108A	0 2228	0 1238	15
16	0 0208	0 0158	0 0178	0 780E	0 921	1 28	0 483	0 086E	0 007	0 148	0 2208	0 1458	16
17	0 0198	0 0168	0 0178	0 710E	0 871	2 44	0 445	0 085E	0 003	0 133	0 2308	0 1448	17
18	0 0188	0 0178	0 0168	0 650E	0 780	4 46	0 427	0 043E	0 002	0 256	0 2248	0 1248	18
19	0 0178	0 0188	0 0188	0 800E	0 748	3 42	0 415	0 035E	0 001	0 418	0 2278	0 1348	19
20	0 0168	0 0198	0 0218	0 840E	0 728	1 93	0 377	0 048E	0 001	0 573	0 2088	0 1428	20
21	0 0158	0 0208	0 0278	0 480E	0 782	1 12	0 323	0 037E	0 001	0 878	0 1988	0 1418	21
22	0 0158	0 0218	0 0438	0 480E	0 884	0 738	0 288	0 025E	0 001	0 876	0 2118	0 1328	22
23	0 0148	0 0218	0 0328	0 440E	0 838	0 572	0 288A	0 015E	0 A	0 807	0 2148	0 1228	23
24	0 0138	0 0218	0 0858	0 400E	0 813	0 447	0 282E	0 009E	0 E	0 840	0 2188	0 1248	24
25	0 0138	0 0228	0 1488	0 480E	0 878	0 829	0 231E	0 008E	0 E	0 781	0 2258	0 1208	25
26	0 0138	0 0228	0 2158	0 503A	0 883	0 644	0 184E	0 004E	0 E	0 859	0 2518	0 1028	26
27	0 0128	0 0228	0 3308	0 518	0 861	0 525	0 163E	0 004E	0 E	0 817	0 3748	0 0968	27
28	0 0128	0 0228	0 4008	0 588	0 825	0 427	0 138E	0 003E	0 E	0 5858	0 5188	0 1008	28
29	0 0128	0 0228	0 5108	0 748	0 588	0 712	0 118E	0 003E	0 E	0 3428	0 4888	0 0938	29
30	0 0128		1 05 B	0 811	0 582	0 581	0 105E	0 002E	0 E	0 3488	0 4278	0 0938	30
31	0 0128		1 35 B		0 518		0 089E	0 002E		0 3848		0 0918	31
TOTAL	0 821	0 458	5 001	33 378	28 414	38 238	12 048	1 881	0 150	5 308	5 121	4 805	TOTAL
MEAN	0 026	0 016	0 161	1 11	0 853	1 27	0 388	0 084	0 005	0 288	0 271	0 158	MEAN
MAX	0 085	0 022	1 35	2 22	1 11	4 46	0 558	0 138	0 050	0 840	0 518	0 478	MAX
MIN	0 012	0 011	0 017	0 440	0 518	0 303	0 089	0 002	0	0	0 188	0 091	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 382
MAXIMUM DAILY, 4 46 ON JUN 18
MINIMUM DAILY, 0A ON SEP 23
MAXIMUM INSTANTANEOUS,
5 05 AT 15:12 CST ON JUN 18

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 48 15 N
LONG 96 56 10 W
DRAINAGE AREA, 1 050 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1961

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	70 9	JUL	1 040
FEB	39 4	AUG	172
MAR	432	SEP	13 0
APR	2 880	OCT	718
MAY	2 280	NOV	702
JUN	3 300	DEC	424

TOTAL DISCHARGE, 12 100 dam³

SEINE RIVER NEAR STE. ANNE - STATION NO 05OH007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.003B	2.80 B	1.24	0.417	1.77	0.135	0.007E	0.003E	---	---	1
2	---	---	0.003B	2.10 B	1.20	0.367	1.54	0.171E	0.003E	0.003	---	---	2
3	---	---	0.003B	1.50 B	1.15	0.359	1.43	0.156E	0.003E	0.003E	---	---	3
4	---	---	0.003B	0.815B	1.13	0.331	1.33	0.143E	0.003E	0.003E	---	---	4
5	---	---	0.003B	0.900B	1.07	0.320	1.23	0.134E	0.003E	0.003E	---	---	5
6	---	---	0.003B	0.882B	1.06	0.342	1.12	0.128E	0.003E	0.003E	---	---	6
7	---	---	0.003B	0.864B	1.08	0.499	0.986	0.118E	0.003E	0.003E	---	---	7
8	---	---	0.003B	0.846E	1.10	1.46	0.871	0.107E	0.003E	0.003E	---	---	8
9	---	---	0.003B	0.828E	1.15	8.06	0.781	0.098E	0.003E	0.003E	---	---	9
10	---	---	0.003B	0.810E	1.11	13.3	0.722	0.089E	0.003E	0.003E	---	---	10
11	---	---	0.003B	0.792E	1.06	14.2	0.672	0.080E	0.003E	0.003E	---	---	11
12	---	---	0.003B	0.774E	0.990	15.3	0.639	0.070E	0.003E	0.003E	---	---	12
13	---	---	0.003B	0.756E	0.898	14.8	0.619	0.061E	0.003E	0.003E	---	---	13
14	---	---	0.003B	0.738E	0.869	12.8	0.598	0.052E	0.003E	0.003E	---	---	14
15	---	---	0.003B	0.720E	0.881	11.5	0.583	0.043E	0.003E	0.004E	---	---	15
16	---	---	0.003B	0.702E	0.830	9.50	0.537	0.033E	0.003E	0.100E	---	---	16
17	---	---	0.003B	0.684E	0.785	7.99	0.514	0.024E	0.003E	0.112E	---	---	17
18	---	---	0.003B	0.666E	0.732	7.34	0.460	0.015E	0.010	0.112E	---	---	18
19	---	---	0.003B	0.648E	0.705	7.10	0.400	0.008E	0.007E	0.110E	---	---	19
20	---	---	0.003B	0.630E	0.666	5.80	0.343	0.055E	0.004	0.109E	---	---	20
21	---	---	0.003B	0.810E	0.679	4.53	0.282	0.051E	0.004E	0.109E	---	---	21
22	---	---	0.003B	0.590E	0.687	3.87	0.248	0.047E	0.004E	0.107E	---	---	22
23	---	---	0.003B	0.570E	0.625	3.17	0.211	0.043E	0.004E	0.105E	---	---	23
24	---	---	0.020B	0.398E	0.717	2.74	0.183	0.038E	0.004E	0.103E	---	---	24
25	---	---	0.870B	0.498E	0.760	2.39	0.180	0.035E	0.004E	0.100E	---	---	25
26	---	---	1.55 B	0.572E	0.668	2.05	0.168	0.031E	0.004E	0.125E	---	---	26
27	---	---	2.00 B	0.878	0.884	1.85	0.155	0.027E	0.004E	0.150E	---	---	27
28	---	---	2.57 B	0.887	0.883	2.46	0.140	0.023E	0.004E	0.178E	---	---	28
29	---	---	2.90 B	1.15	0.882	2.61	0.132	0.018E	0.004E	0.241B	---	---	29
30	---	---	3.42 B	1.26	0.483	2.10	0.126	0.015E	0.004E	0.283B	---	---	30
31	---	---	3.10 B		0.484		0.127	0.011E		0.280B	---	---	31
TOTAL	---	---	16.803	26.827	27.180	157.195	19.081	2.044	0.119	2.388	---	---	TOTAL
MEAN	---	---	0.538	0.888	0.878	5.24	0.818	0.066	0.004	0.078	---	---	MEAN
MAX	---	---	3.42	2.80	1.24	15.3	1.77	0.171	0.010	0.283	---	---	MAX
MIN	---	---	0.003	0.395	0.484	0.320	0.127	0.006	0.003	0.003	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.03
MAXIMUM DAILY, 15.3 ON JUN 12
MINIMUM DAILY, 0.003B ON MAR 1
MAXIMUM INSTANTANEOUS,
15.5 AT 12:15 CST ON JUN 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 39 10 N
LONG 96 37 00 W
DRAINAGE AREA, 704 km²

B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	1 650
FEB	---	AUG	177
MAR	1 440	SEP	10.0
APR	2 300	OCT	205
MAY	2 350	NOV	---
JUN	13 600	DEC	---

TOTAL DISCHARGE, 21 700 dam³

SHANNON CREEK NEAR MORDEN - STATION NO 05DF021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.333B	0.084	0.018E	0	0	0	0	---	---	1
2	---	---	0 B	0.282B	0.089	0.012E	0	0	0	0	---	---	2
3	---	---	0 B	0.267B	0.106	0.008E	0	0	0	0	---	---	3
4	---	---	0 B	0.252B	0.135	0.003E	0	0	0	0	---	---	4
5	---	---	0 B	0.219	0.157	0.002E	0	0	0	0	---	---	5
6	---	---	0 B	0.178	0.188	0.001E	0	0	0	0	---	---	6
7	---	---	0 B	0.148	0.190	0	0	0	0	0	---	---	7
8	---	---	0 B	0.121	0.185	0	0	0	0	0	---	---	8
9	---	---	0 B	0.101	0.190	0	0	0	0	0	---	---	9
10	---	---	0 B	0.083	0.178	0	0	0	0	0	---	---	10
11	---	---	0 B	0.066	0.163	0	0	0	0	0	---	---	11
12	---	---	0 B	0.050	0.171	0	0	0	0	0	---	---	12
13	---	---	0 B	0.042	0.167	0	0	0	0	0	---	---	13
14	---	---	0 B	0.054	0.163	0	0	0	0	0	---	---	14
15	---	---	0 B	0.042	0.181	0	0	0	0	0	---	---	15
16	---	---	0 B	0.032	0.142	0	0	0	0	0	---	---	16
17	---	---	0 B	0.031	0.125	0	0	0	0	0	---	---	17
18	---	---	0 B	0.045	0.117A	0	0	0	0	0	---	---	18
19	---	---	0 B	0.040	0.110E	0	0	0	0	0	---	---	19
20	---	---	0 B	0.031	0.103E	0	0	0	0	0	---	---	20
21	---	---	0 B	0.023	0.096E	0	0	0	0	0	---	---	21
22	---	---	0 B	0.018	0.089E	0	0	0	0	0	---	---	22
23	---	---	0 B	0.009	0.082E	0	0	0	0	0	---	---	23
24	---	---	0.001B	0.005	0.078E	0	0	0	0	0	---	---	24
25	---	---	0.002B	0.001	0.088E	0	0	0	0	0	---	---	25
26	---	---	0 700B	0.001	0.051E	0	0	0	0	0	---	---	26
27	---	---	1.14 B	0.027	0.054E	0	0	0	0	0	---	---	27
28	---	---	0.717B	0.050	0.047E	0	0	0	0	0	---	---	28
29	---	---	0.487B	0.049	0.040E	0	0	0	0	0	---	---	29
30	---	---	0.408B	0.078	0.033E	0	0	0	0	0	---	---	30
31	---	---	0.358B		0.028E		0	0		0		---	31
TOTAL	---	---	3.621	2.864	3.598	0.043	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.123	0.088	0.118	0.001	0	0	0	0	---	---	MEAN
MAX	---	---	1.14	0.333	0.190	0.018	0	0	0	0	---	---	MAX
MIN	---	---	0	0.001	0.028	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.041
MAXIMUM DAILY, 1.14B ON MAR 27
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 10 10 N
LONG 97 58 40 W
DRAINAGE AREA, 308 km²

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	330	SEP	0
APR	232	OCT	0
MAY	311	NOV	---
JUN	3.72	DEC	---

TOTAL DISCHARGE, 877 dam³

SHANNON CREEK NEAR MORRIS - STATION NO 05OF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1.11 B	0.145E	0	0.058	0	0	0	---	---	1
2	---	---	0 B	0.870B	0.118E	0	0.035	0	0	0	---	---	2
3	---	---	0 B	0.625B	0.091E	0	0.017	0	0	0	---	---	3
4	---	---	0 B	0.382B	0.067E	0	0.004	0	0	0	---	---	4
5	---	---	0 B	0.268B	0.083E	0	0	0	0	0	---	---	5
6	---	---	0 B	0.250B	0.078E	0	0	0	0	0	---	---	6
7	---	---	0 B	0.234B	0.074E	0	0	0	0	0	---	---	7
8	---	---	0 B	0.218	0.070E	0 005	0	0	0	0	---	---	8
9	---	---	0 B	0.202	0.088E	0 018	0	0	0	0	---	---	9
10	---	---	0 B	0.185	0.092E	0 005	0	0	0	0	---	---	10
11	---	---	0 B	0.185	0.089E	0	0	0	0	0	---	---	11
12	---	---	0 B	0.187	0.087E	0 003	0	0	0	0	---	---	12
13	---	---	0 B	0.188	0.084E	0 021	0	0	0	0	---	---	13
14	---	---	0 B	0.183	0.082E	0 007	0	0	0	0	---	---	14
15	---	---	0 B	0.172	0.049E	0 001	0	0	0	0	---	---	15
16	---	---	0 B	0.161	0.047E	0 001	0	0	0	0	---	---	16
17	---	---	0 B	0.099	0.046E	0 007	0	0	0	0	---	---	17
18	---	---	0 B	0.082E	0.042E	0 005	0	0	0	0	---	---	18
19	---	---	0 B	0.065E	0.038E	0 004	0	0	0	0	---	---	19
20	---	---	0 B	0.048E	0.037E	0 002	0	0	0	0	---	---	20
21	---	---	0 B	0.033E	0.088E	0 002	0	0	0	0	---	---	21
22	---	---	0 B	0.017E	0.085E	0 003	0	0	0	0	---	---	22
23	---	---	0 B	0.002E	0.071A	1 15	0	0	0	0	---	---	23
24	---	---	0 B	0 001E	0 061	0 908	0	0	0	0	---	---	24
25	---	---	0 B	0 001E	0 050	0 549	0	0	0	0	---	---	25
26	---	---	0 0088	0 001E	0 038	0 418	0	0	0	0	---	---	26
27	---	---	0 0138	0 001E	0 026	0 268	0	0	0	0	---	---	27
28	---	---	1 00 B	0 058E	0 011	0 208	0	0	0	0	---	---	28
29	---	---	1 83 B	0 188E	0 002	0 134	0	0	0	0B	---	---	29
30	---		1 59 B	0 171E	0	0 082	0	0	0	0B	---	---	30
31	---		1 35 B		0		0	0		0B		---	31
TOTAL	---	---	9 768	9 220	1.798	3 837	0 114	0	0	0	---	---	TOTAL
MEAN	---	---	0 187	0 307	0 058	0 128	0 004	0	0	0	---	---	MEAN
MAX	---	---	1 83	1 11	0 145	1 15	0 058	0	0	0	---	---	MAX
MIN	---	---	0	0 001	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 072
MAXIMUM DAILY, 1.838 ON MAR 29
MINIMUM DAILY, 0B ON MAR 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 17 N
LONG 97 25 18 W
DRAINAGE AREA, 828 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	5 85
FEB	---	AUG	0
MAR	596	SEP	0
APR	537	OCT	0
MAY	155	NOV	---
JUN	332	DEC	---

TOTAL DISCHARGE, 1 630 dam³

SHANNON CREEK TRIBUTARY NEAR MYRTLE - STATION NO 05OF015

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0 1628	0 017	0	0	0	0	0	---	---	1
2	---	---	0 B	0 1088	0 010	0	0	0	0	0	---	---	2
3	---	---	0 B	0 0788	0 007	0	0	0	0	0	---	---	3
4	---	---	0 B	0 0588	0 005	0	0	0	0	0	---	---	4
5	---	---	0 B	0 0418	0 002	0	0	0	0	0	---	---	5
6	---	---	0 B	0 0328	0 001	0	0	0	0	0	---	---	6
7	---	---	0 B	0 0178	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0 0108	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0 010	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0 008	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0 010	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0 018	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0 018	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0 012	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0 008	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0 005	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0 002	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0 001	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0 001	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0 001	0	0	0	0	---	---	22
23	---	---	0 B	0	0	0	0	0	0	0	---	---	23
24	---	---	0 B	0	0	0	0	0	0	0	---	---	24
25	---	---	0 B	0	0	0	0	0	0	0	---	---	25
26	---	---	0 B	0	0	0	0	0	0	0	---	---	26
27	---	---	0 B	0 018	0	0	0	0	0	0	---	---	27
28	---	---	0 3928	0 078	0	0	0	0	0	0E	---	---	28
29	---	---	0 5048	0 057	0	0	0	0	0	0E	---	---	29
30	---		0 3708	0 038	0	0	0	0	0	0E	---	---	30
31	---		0 2788		0		0	0		0E		---	31
TOTAL	---	---	1 462	0 780	0 047	0 002	0	0	0	0	---	---	TOTAL
MEAN	---	---	0 047	0 026	0 001	0	0	0	0	0	---	---	MEAN
MAX	---	---	0 504	0 152	0 017	0 001	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 008
MAXIMUM DAILY, 0.5048 ON MAR 29
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0 7488 AT 07:53 CST ON MAR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 30 34 N
LONG 97 50 33 W
DRAINAGE AREA, 188 km²
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	125	SEP	0
APR	97 6	OCT	0
MAY	3 83	NOV	---
JUN	0 17	DEC	---

TOTAL DISCHARGE, 199 dam³

SHARPE LAKE NEAR DELORAINE - STATION NO. 05MF005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	857.550	857.504E	857.450E	857.290	857.137E	857.123E	---	---	1
2	---	---	---	---	857.530E	857.499	857.445	857.281E	857.132	857.122	---	---	2
3	---	---	---	---	857.510	857.489E	857.440E	857.271	857.127E	857.117E	---	---	3
4	---	---	---	---	857.545E	857.499	857.435	857.271E	857.122	857.112	---	---	4
5	---	---	---	857.441	857.580	857.504E	857.425E	857.271	857.117E	857.123E	---	---	5
6	---	---	857.415	---	857.580E	857.510	857.415	857.271E	857.112	857.132	---	---	6
7	---	---	---	---	857.570	857.510E	857.411E	857.271	857.112E	857.132E	---	---	7
8	---	---	---	---	857.570E	857.510	857.406	857.267E	857.112	857.132	---	---	8
9	---	---	---	---	857.570	857.515E	857.401E	857.262	857.112E	857.137E	---	---	9
10	---	---	---	---	857.570E	857.51	857.396	857.262E	857.112	857.142	---	---	10
11	---	---	---	---	857.570	857.515E	857.382E	857.262	857.112E	857.142E	---	---	11
12	---	---	---	---	857.580E	857.511	857.387	857.258E	857.112	857.142	---	---	12
13	---	---	---	---	857.586	857.506E	857.382E	857.253	857.112E	857.147E	---	---	13
14	---	---	---	---	857.586E	857.501	857.377E	857.246E	857.112	857.152	---	---	14
15	---	---	---	---	857.550	857.501E	857.372E	857.243	857.117E	857.167E	---	---	15
16	---	---	---	---	857.556E	857.502	857.367	---	857.122	857.162	---	---	16
17	---	---	---	---	857.556	857.497E	857.362E	---	857.122E	857.197E	---	---	17
18	---	---	---	---	857.556E	857.492	857.356	---	857.122	857.213	---	---	18
19	---	---	---	---	857.557	857.487E	857.353E	---	857.122E	857.222E	---	---	19
20	---	---	---	---	857.552E	857.482	857.348	---	857.122	857.232	---	---	20
21	---	---	---	---	857.547	857.478E	857.343E	857.192	857.137E	857.242E	---	---	21
22	---	---	---	---	857.537	857.473	857.338	857.192	857.132	857.252	---	---	22
23	---	---	---	---	857.537	857.468E	857.334E	857.182	857.132E	857.257E	---	---	23
24	---	---	---	---	857.537E	857.463	857.329	857.177E	857.132	857.262	---	---	24
25	---	---	---	857.481	857.538	857.483E	857.329E	857.172	857.132E	857.267E	---	---	25
26	---	---	---	857.485E	857.533E	857.484	857.329	857.167E	857.132	857.272	---	---	26
27	---	---	---	857.510E	857.528	857.489E	857.325E	857.162	857.127E	857.277E	---	---	27
28	---	---	---	857.525E	857.523E	857.484	857.320	857.167E	857.122	857.282	---	---	28
29	---	---	---	857.540	857.518	857.484E	857.310E	857.162	857.122E	857.282E	---	---	29
30	---	---	---	857.548E	857.514E	857.484	857.300	857.147E	857.122	857.282	---	---	30
31	---		---		857.509		857.295E	857.142		---		---	31
MEAN	---	---	---	---	857.550	857.490	857.370	---	857.122	---	---	---	MEAN
MAX	---	---	---	---	857.580	857.521	857.450	---	857.137	---	---	---	MAX
MIN	---	---	---	---	857.509	857.454	857.295	---	857.112	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 03 42 N
LONG 100 19 39 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SHELL RIVER NEAR INGLIS - STATION NO. 05MD005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.6688	0.8589	0.7848	13.2 B	3.81	8.32	14.5	1.83	0.081	1.39	5.84 B	1.110	1
2	0.6588	0.8618	0.7818	12.5 B	3.78	7.69	15.1	1.89	0.072	1.31	5.67 B	1.140	2
3	0.6488	0.8648	0.7378	11.9 B	3.96	7.16	17.1	1.58	0.125	1.26	3.46 B	1.320	3
4	0.6388	0.8688	0.7248	11.2 B	3.88	6.60	17.7	1.54	0.135	1.25	1.90 B	1.430	4
5	0.6308	0.8698	0.7118	10.6 B	4.19	6.11	18.3	1.50	0.105	1.22	1.70 B	1.470	5
6	0.6208	0.8728	0.6978	9.948	4.67	5.73	10.6	1.38	0.080	1.27	1.36 B	1.580	6
7	0.6118	0.8768	0.6848	9.298	4.89	5.75	8.84	1.28	0.128	1.31	0.8448	2.240	7
8	0.6018	0.8778	0.6708	8.658	5.05	5.65	7.44	1.18	0.143	1.38	0.3338	2.440	8
9	0.5908	0.8808	0.6578	8.00	5.18	5.32	6.61	1.13	0.222	1.80	0.1948	2.580	9
10	0.5788	0.8838	0.6438	8.00	5.80	5.24	5.88	0.989	0.485	1.82	0.3858	2.550	10
11	0.5678	0.8868	0.6308	8.12	5.88	5.49	5.34	0.903	0.804	1.28	0.5438	2.550	11
12	0.5558	0.8898	0.6178	8.80	5.71	5.44	4.83	0.837	0.784	1.43	0.4368	2.580	12
13	0.5448	0.8928	0.6038	8.78	5.89	5.25	4.43	0.795	0.845	1.47	0.4038	2.420	13
14	0.5368	0.8948	0.5908	8.83	5.98	5.22	4.10	0.785	0.884	1.59	0.4858	2.470	14
15	0.5278	0.8978	0.5768	8.25	6.23	5.32	3.80	0.879	0.928	1.72	0.8598	2.420	15
16	0.5188	0.7008	0.5638	8.12	8.86	5.23	3.48	0.814	0.882	2.22	0.9288	2.370	16
17	0.5098	0.7038	1.43 B	8.14	10.7	5.17	3.36	0.869	0.783	2.40	0.8058	2.310	17
18	0.5198	0.7068	2.30 B	8.06	10.6	4.78	3.08	0.918	0.739	2.32	0.7058	2.290	18
19	0.5288	0.7068	3.18 B	7.82	9.74	4.44	2.86	0.858	0.717	2.48	0.6128	2.210	19
20	0.5398	0.7118	4.03 B	7.27	8.82	4.23	2.78	0.827	0.869	2.57	0.5838	2.190	20
21	0.5488	0.7148	5.36 B	8.84	8.48	4.21	2.71	0.388	0.731	2.77	0.5518	2.100	21
22	0.5588	0.7288	6.70 B	9.10	8.28	4.32	2.58	0.387	1.38	2.84	0.5348	2.058	22
23	0.5698	0.7388	8.03 B	9.86	8.19	3.88	2.51	0.387	1.37	2.84	0.5208	2.008	23
24	0.5788	0.7478	9.37 B	9.73	8.74	3.81	2.47	0.338	1.27	2.83	0.5058	1.958	24
25	0.5888	0.7588	10.7 B	9.82	9.72	7.42	2.43	0.318	1.38	2.95	0.7388	1.898	25
26	0.5988	0.7888	11.8 B	9.30	9.98	8.12	2.37	0.288	1.48	3.07	0.7788	1.848	26
27	0.6088	0.7808	12.9 B	8.88	9.88	8.26	2.33	0.212	1.87	3.818	0.7108	1.788	27
28	0.6188	0.7918	14.0 B	8.89	10.0	10.3	2.25	0.177	1.87	2.848	0.6538	1.748	28
29	0.6288	0.7788	15.1 B	8.28	10.3	11.0	2.14	0.131	1.84	2.848	0.8378	1.688	29
30	0.6388		14.8 B	8.13	9.78	12.6	2.14	0.098	1.48	4.848	1.02 B	1.638	30
31	0.6488		13.6 B		9.20		2.07	0.101		5.438		1.588	31
TOTAL	18.170	20.488	143.797	237.88	229.05	194.08	183.84	23.488	22.868	68.42	38.978	62.01	TOTAL
MEAN	0.586	0.707	4.64	7.83	7.39	6.47	5.93	0.757	0.788	2.24	1.20	2.00	MEAN
MAX	0.668	0.781	15.1	13.2	10.7	12.6	17.7	1.83	1.87	5.43	5.67	2.89	MAX
MIN	0.508	0.668	0.863	4.13	3.78	4.21	2.07	0.088	0.080	1.22	0.194	1.11	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 3.38
MAXIMUM DAILY, 17.7 ON JUL 4
MINIMUM DAILY, 0.080 ON SEP 8
MAXIMUM INSTANTANEOUS,
17.8 AT 14:55 CST ON JUL 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 57 40 N
LONG 101 19 05 W
DRAINAGE AREA, 2 000 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 570	JUL	15 800
FEB	1 770	AUG	2 030
MAR	12 400	SEP	1 980
APR	20 500	OCT	5 900
MAY	19 800	NOV	3 110
JUN	16 800	DEC	5 380

TOTAL DISCHARGE, 107 000 dam³

SWELL RIVER NEAR ROBLIN - STATION NO. 05MD007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.8578	3.869	3.59	5.62	16.4	---	---	---	---	---	1
2	---	---	0.8599	4.218	3.56	6.04	15.0	---	---	---	---	---	2
3	---	---	0.8619	4.448	3.61	5.83	11.6	---	---	---	---	---	3
4	---	---	0.8638	4.448	4.25	5.11	8.73	---	---	---	---	---	4
5	---	---	0.8648	4.128	4.43	4.74	7.15	---	---	---	---	---	5
6	---	---	0.8668	4.578	4.52	4.43	6.08	---	---	---	---	---	6
7	---	---	0.8688	5.028	4.56	4.60	5.35	---	---	---	---	---	7
8	---	---	0.8698	5.59	5.07	4.77	4.78	---	---	---	---	---	8
9	---	---	0.8718	5.49	5.14	4.88	4.30	---	---	---	---	---	9
10	---	---	0.8738	5.35	5.02	4.85	3.97	---	---	---	---	---	10
11	---	---	0.8748	5.58	4.82	4.97	3.85	---	---	---	---	---	11
12	---	---	0.8768	5.35	5.20	4.88	3.36	---	---	---	---	---	12
13	---	---	0.8788	5.80	5.04	4.73	3.06	---	---	---	---	---	13
14	---	---	0.8807	7.01	10.8	4.50	2.81	---	---	---	---	---	14
15	---	---	0.8816	7.24	11.8	4.32	2.53	---	---	---	---	---	15
16	---	---	0.8838	7.25	10.7	4.15	2.34	---	---	---	---	---	16
17	---	---	0.8858	8.84	9.40	4.01	2.28A	---	---	---	---	---	17
18	---	---	1.03 B	8.27	8.25	3.88	---	---	---	---	---	---	18
19	---	---	1.20 B	8.80	7.65	3.63	---	---	---	---	---	---	19
20	---	---	1.37 B	8.20	7.08	3.85	---	---	---	---	---	---	20
21	---	---	1.54 B	8.07	7.78	4.88	---	---	---	---	---	---	21
22	---	---	1.72 B	4.98	8.30	6.42	---	---	---	---	---	---	22
23	---	---	1.89 B	4.85	9.28	7.63	---	---	---	---	---	---	23
24	---	---	2.06 B	4.51	9.80	8.13	---	---	---	---	---	---	24
25	---	---	2.16 B	4.18	9.63	10.9	---	---	---	---	---	---	25
26	---	---	2.25 B	3.84	10.3	12.8	---	---	---	---	---	---	26
27	---	---	2.44 B	3.51	10.3	13.8	---	---	---	---	---	---	27
28	---	---	2.11 B	3.31	9.80	15.1	---	---	---	---	---	---	28
29	---	---	2.30 B	2.98	8.88	17.0	---	---	---	---	---	---	29
30	---		2.41 B	3.22	7.82	16.3	---	---	---	---	---	---	30
31	---		3.00 B		7.23		---			---	---	---	31
TOTAL	---	---	39.088	155.08	229.03	209.95	---	---	---	---	---	---	TOTAL
MEAN	---	---	1.26	5.20	7.39	7.00	---	---	---	---	---	---	MEAN
MAX	---	---	3.00	7.25	11.8	18.3	---	---	---	---	---	---	MAX
MIN	---	---	0.857	2.98	3.50	3.63	---	---	---	---	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.20
MAXIMUM DAILY, 18.3 ON JUN 30
MINIMUM DAILY, 0.8578 ON MAR 1
MAXIMUM INSTANTANEOUS,
18.7 AT 02 22 CST ON JUL 1

SUMMARY FOR THE MONTHS MAR TO JUN

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 21 39 N
LONG 101 15 21 W
DRAINAGE AREA, 1 330 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	3 380	SEP	---
APR	13 500	OCT	---
MAY	19 800	NOV	---
JUN	18 100	DEC	---

TOTAL DISCHARGE, 54 800 dam³

SHOAL LAKE AT INDIAN BAY - STATION NO. 05PD004

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	322.609	---	---	---	---	---	---	1
2	---	---	322.771	---	---	---	---	---	---	---	322.722	---	2
3	---	322.832	---	---	---	---	---	322.984	---	---	---	---	3
4	---	---	---	---	322.600	---	---	---	---	---	---	---	4
5	---	---	---	---	---	---	---	---	---	322.858	---	---	5
6	322.905	---	---	322.831	---	---	322.850	---	---	---	---	---	6
7	---	---	---	---	---	---	---	---	322.856	---	---	322.722	7
8	---	---	---	---	---	322.718	---	---	---	---	---	---	8
9	---	---	322.737	---	---	---	---	---	---	---	322.741	---	9
10	---	322.810	---	---	---	---	---	322.978	---	---	---	---	10
11	---	---	---	---	322.597	---	---	---	---	---	---	---	11
12	---	---	---	---	---	---	---	---	---	322.886	---	---	12
13	322.887	---	---	322.831	---	---	322.902	---	---	---	---	---	13
14	---	---	---	---	---	---	---	---	322.820	---	---	322.881	14
15	---	---	---	---	---	322.783	---	---	---	---	---	---	15
16	---	---	322.692	---	---	---	---	---	---	---	322.741	---	16
17	---	322.823	---	---	---	---	---	322.972	---	---	---	---	17
18	---	---	---	---	322.597	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	322.704	---	---	19
20	322.881	---	---	322.809	---	---	322.936	---	---	---	---	---	20
21	---	---	---	---	---	---	---	---	322.789	---	---	322.898	21
22	---	---	---	---	---	322.782	---	---	---	---	---	---	22
23	---	---	322.692	---	---	---	---	---	---	---	322.710	---	23
24	---	322.795	---	---	---	---	---	323.860	---	---	---	---	24
25	---	---	---	---	322.631	---	---	---	---	---	---	---	25
26	---	---	---	---	---	---	---	---	---	322.788	---	---	26
27	322.859	---	---	322.8[illegible]	---	---	322.936	---	---	---	---	---	27
28	---	---	---	---	---	---	---	---	322.722	---	---	322.701	28
29	---	---	---	---	---	322.844	---	---	---	---	---	---	29
30	---		322.858	---	---	---	---	---	---	---	---	---	30
31	---		---		---		---	322.893		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 37 20 N
LONG 95 12 30 W
DATA CONTRIBUTED BY -
GREATER WINNIPEG WATER DISTRICT

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SHOAL LAKE NEAR SHOAL LAKE - STATION NO 05MD007

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	548.770	548.712	548.692	548.578E	548.410	548.378	---	---	1
2	---	---	---	---	548.770	548.704	548.686	548.572E	548.408	548.378	---	---	2
3	---	---	---	---	548.768	548.695	548.680	548.567E	548.406	548.378	---	---	3
4	---	---	---	---	548.768	548.686	548.675	548.560E	548.402	548.374	---	---	4
5	---	---	---	---	548.765	548.678	548.670	548.555E	548.406	548.374	548.420	---	5
6	---	---	---	---	548.782	548.830	548.686	548.550E	548.422	548.372	---	---	6
7	---	---	---	---	548.781	548.704	548.682	548.548E	548.418	---	---	---	7
8	---	---	---	---	548.778	548.697	548.684	548.540E	548.418	---	---	---	8
9	---	---	---	---	548.776	548.699	548.648	548.534E	548.424	---	---	---	9
10	---	---	---	---	548.771	548.691	548.644	548.529E	548.420	---	---	---	10
11	---	---	---	---	548.789	548.987	548.638	548.524E	548.422	---	---	---	11
12	---	---	---	548.790	548.771	548.885	548.831	548.518E	548.428	---	---	---	12
13	---	---	---	548.788	548.768	548.883	548.823	548.513E	548.430	---	---	---	13
14	---	---	---	548.788	548.787	548.883	548.815	548.508E	548.428	---	---	---	14
15	---	---	---	548.784	548.781	548.883	548.807	548.502E	548.422	---	---	---	15
16	---	---	---	548.783E	548.753	548.883	548.805	548.498E	548.418	---	---	---	16
17	---	---	---	548.781E	548.748E	548.888	548.803	548.492E	548.412	---	---	---	17
18	---	---	---	548.780	548.745	548.883	548.588	548.488E	548.408	---	---	---	18
19	---	---	---	548.780	548.741	548.877	548.587	548.483E	548.400	---	---	---	19
20	---	---	---	548.778	548.739	548.873	548.585	548.478E	548.394	---	---	---	20
21	---	---	---	548.778	548.743	548.875	548.580E	548.472E	548.388	---	---	---	21
22	---	---	---	548.778	548.741	548.877	548.584E	548.468	548.390	---	---	---	22
23	---	---	---	548.776	548.740	548.713	548.578E	548.480	548.388	---	---	---	23
24	---	---	---	548.778	548.748	548.714	548.571E	548.454	548.386	---	---	---	24
25	---	---	---	548.778	548.742	548.712	548.567E	548.448	548.386	---	---	---	25
26	---	---	---	548.774	548.740	548.710	548.562E	548.440	548.384	---	---	---	26
27	---	---	---	548.774E	548.738	548.708	548.560E	548.434	548.382	---	---	---	27
28	---	---	---	548.773E	548.734	548.702	548.560E	548.428	548.382	---	---	---	28
29	---	---	---	548.772	548.730	548.702	548.562E	548.422	548.380	---	---	---	29
30	---		---	548.772	548.728	548.702	548.564E	548.418	548.380	---	---	---	30
31	---		---		548.720		548.562E	548.414		---		---	31
MEAN	---	---	---	---	548.755	548.883	548.616	548.497	548.404	---	---	---	MEAN
MAX	---	---	---	---	548.782	548.714	548.692	548.578	548.430	---	---	---	MAX
MIN	---	---	---	---	548.720	548.673	548.580	548.414	548.380	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 28 02 N
LONG 100 35 55 W

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SILVER CREEK NEAR GRANDVIEW - STATION NO 05LJ040

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.2858	0.119	0.853	4.01	0.194	0	0	---	---	1
2	---	---	0 B	0.2408	0.141	0.589	3.81	0.084	0	0	---	---	2
3	---	---	0 B	0.2438	0.142	0.504	3.64	0.027	0	0	---	---	3
4	---	---	0 B	0.2288	0.135	0.480	3.56	0.010E	0	0	---	---	4
5	---	---	0 B	0.2228	0.127	0.449	3.28	0	0	0	---	---	5
6	---	---	0 B	0.317	0.134	0.380	3.01	0	0	0	---	---	6
7	---	---	0 B	0.385	0.150	0.518	2.79	0	0	0	---	---	7
8	---	---	0 B	0.394	0.167	0.489	2.61	0	0	0	---	---	8
9	---	---	0 B	0.412	0.168	0.459	2.38	0	0	0	---	---	9
10	---	---	0 B	0.485	0.179	0.333	2.11	0	0	0	---	---	10
11	---	---	0 B	0.409	0.213	0.377	1.89	0	0	0	---	---	11
12	---	---	0 B	0.513	0.317	0.388	1.88	0	0	0	---	---	12
13	---	---	0 B	0.732	0.368	0.335	1.83	0	0	0	---	---	13
14	---	---	0 B	0.873	0.454	0.279	1.37	0	0	0	---	---	14
15	---	---	0 B	0.805	0.448	0.235	1.19	0	0	0	0.018A	---	15
16	---	---	0 B	0.892	0.400	0.205	0.986	0	0	0	0.717	---	16
17	---	---	0 B	0.543	0.351	0.204	0.739	0	0	0	1.02	---	17
18	---	---	0 B	0.437	0.281	0.173	0.602	0	0	0	0.446	---	18
19	---	---	0 B	0.330	0.259	1.31	0.492	0	0	0	0.149	---	19
20	---	---	0 B	0.238	0.247	2.46	0.436	0	0	0	0.134	---	20
21	---	---	0 B	0.200	0.238	2.72	0.403	0	0	0	0.143	---	21
22	---	---	0 B	0.178	0.288	3.24	0.349	0	0	0	0.149	---	22
23	---	---	0 B	0.174	0.281	3.78	0.302	0	0	0	0.149	---	23
24	---	---	0.0308	0.133	0.382	5.09	0.288	0	0	0	0.083	---	24
25	---	---	0.1888	0.130	0.488	5.25	0.252	0	0	0	0.0408	---	25
26	---	---	0.4308	0.118	0.535	5.09	0.237	0	0	0	0.0288	---	26
27	---	---	0.8848	0.100	0.484	4.88	0.187	0	0	0	0.0438	---	27
28	---	---	0.4808	0.1128	0.421	4.71	0.076	0	0	0	0.0818	---	28
29	---	---	0.3188	0.1028	0.384	4.46	0.027	0	0	0	0.0808	---	29
30	---		0.1438	0.111	0.371	4.23	0.074	0	0	0	0.0798	---	30
31	---		0.2858		0.548		0.212	0		0	0.0788	---	31
TOTAL	---	---	3.708	10.072	9.092	54.348	44.508	0.325	0	3.438	---	---	TOTAL
MEAN	---	---	0.087	0.336	0.293	1.81	1.44	0.010	0	0.111	---	---	MEAN
MAX	---	---	0.884	0.873	0.548	5.25	4.01	0.194	0	1.02	---	---	MAX
MIN	---	---	0	0.100	0.118	0.173	0.027	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.508
MAXIMUM DAILY, 5.25 ON JUN 25
MINIMUM DAILY, 0E 00 MAR 1
MAXIMUM INSTANTANEOUS,
5.78 AT 12:11 CST ON JUN 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 12 28 N
LONG 100 41 42 W
DRAINAGE AREA, 137 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	3 850
FEB	---	AUG	28 1
MAR	234	SEP	0
APR	870	OCT	287
MAY	785	NOV	---
JUN	4 700	DEC	---

TOTAL DISCHARGE, 10 800 dam³

SIPIWESK LAKE AT FORESTRY DOCK - STATION NO 05UD005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.066	3.777	3.654	3.522	2.754	3.052	2.709	2.795	2.894	3.056	3.102	3.648	1
2	4.062	3.780	3.628	3.483	2.768	3.031	2.702	2.827	2.892	3.034	3.122	3.650	2
3	4.055	3.780	3.595	3.471	2.785	3.013	2.706	2.852	2.888	3.020	3.150	3.652	3
4	4.054	3.776	3.558	3.447	2.773	2.997	2.687	2.878	2.890	3.018	3.171	3.653	4
5	4.059	3.784	3.522	3.426	2.779	3.006	2.674	2.897	2.891	3.018	3.182	3.648	5
6	4.052	3.784	3.483	3.417	2.788	2.985	2.682	2.907	2.897	3.014	3.192	3.637	6
7	4.046	3.785	3.442	3.406	2.797	2.941	2.690	2.922	2.905	3.012	3.208	3.637	7
8	4.041	3.783	3.408	3.400	2.821	2.908	2.695	2.946	2.949	3.008	3.237	3.646	8
9	4.032	3.742	3.384	3.388	2.854	2.873	2.721	2.957	3.088	3.009	3.251	2.672	9
10	4.017	3.738	3.314	3.387	2.892	2.857	2.806	2.965	3.103	3.008	3.259	3.689	10
11	4.004	3.742	3.276	3.382	2.926	2.822	2.896	2.984	3.118	3.003	3.284	3.901	11
12	3.987	3.730	3.230	3.403	2.939	2.896	2.893	2.970	3.123	3.019	3.308	3.903	12
13	3.974	3.734	3.189	3.416	2.946	2.874	2.886	2.978	3.145	3.028	3.351	3.911	13
14	3.958	3.736	3.147	3.426	2.959	2.866	2.880	2.986	3.159	3.029	3.400	3.918	14
15	3.952	3.733	3.103	3.431	2.986	2.831	2.848	2.995	3.160	3.027	3.436	3.926	15
16	3.932	3.740	3.057	3.434	3.023	2.798	2.844	3.009	3.156	3.025	3.455	3.930	16
17	3.912	3.738	3.018	3.441	3.048	2.783	2.870	3.026	3.156	3.062	3.483	3.928	17
18	3.886	3.744	2.971	3.451	3.070	2.808	2.712	3.051	3.156	3.066	3.502	3.922	18
19	3.867	3.762	2.928	3.464	3.088	2.783	2.733	3.073	3.142	3.096	3.532	3.525	19
20	3.837	3.765	2.890	3.485	3.085	2.781	2.733	3.068	3.149	3.122	3.553	3.913	20
21	3.817	3.780	2.853	2.495	3.120	2.770	2.749	3.072	3.127	3.112	3.585	3.930	21
22	3.788	3.782	2.815	2.518	3.133	2.778	2.767	3.075	3.121	3.121	3.621	3.917	22
23	3.777	3.787	2.777	2.541	3.134	2.771	2.788	3.070	3.106	3.124	3.664	3.917	23
24	3.773	3.788	2.740	2.564	3.130	2.781	2.785	3.085	3.105	3.117	3.714	3.912	24
25	3.787	3.782	2.711	2.600	3.138	2.786	2.788	3.053	3.153	3.114	3.784	3.906	25
26	3.772	3.742	2.681	2.650	3.126	2.789	2.783	3.052	3.137	3.128	3.785	3.903	26
27	3.772	3.728	2.658	2.670	3.126	2.783	2.781	3.048	3.127A	3.132	3.818	3.910	27
28	3.777	3.705	2.633	2.730	3.117	2.745	2.778	3.051	3.108A	3.139	3.844	3.909	28
29	3.782	3.680	2.603	2.748	3.092	2.736	2.784	3.037	3.095	3.138	3.857	3.908	29
30	3.778		2.570	2.749	3.073	2.721	2.742	3.023	3.072	3.119	3.851	3.910	30
31	3.783		2.549		3.064		2.764	3.004		3.081		3.913	31
MEAN	3.915	3.748	3.078	2.499	2.977	2.881	2.696	2.988	3.095	3.085	3.458	3.895	MEAN
MAX	4.066	3.780	3.654	2.749	3.136	3.052	2.793	3.068	3.158	3.138	3.857	3.930	MAX
MIN	3.767	3.680	2.549	2.387	2.754	2.721	2.680	2.795	2.888	3.003	3.102	3.637	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1984

MEAN, 3.188
MAXIMUM DAILY, 4.066 ON JAN 1
MINIMUM DAILY, 2.387 ON APR 10
MAXIMUM INSTANTANEOUS,
4.071 AT 00:01 CST ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 05 40 N
LONG 97 30 00 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SNOW LAKE AT SNOW LAKE - STATION NO 05TB801

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	275.042	---	---	274.875	274.912E	---	---	---	1
2	---	---	---	---	---	---	---	274.889E	274.922E	---	---	---	2
3	---	---	---	274.503	---	---	274.789	274.883	274.933	---	---	---	3
4	---	---	---	---	---	---	274.804E	274.853E	274.948E	---	---	---	4
5	---	---	---	---	---	274.811	274.819E	274.843E	274.963	---	---	---	5
6	---	---	---	---	275.027	274.811E	274.834E	274.832	274.989E	---	---	---	6
7	---	---	---	---	---	274.811E	274.850	274.832	275.015E	---	---	---	7
8	---	---	---	---	---	274.811	274.856E	274.832E	275.042	---	---	---	8
9	---	---	---	---	---	---	274.852E	274.832E	---	---	---	---	9
10	---	---	---	---	---	---	274.889	274.832	---	---	---	---	10
11	---	---	---	---	---	---	274.874E	274.833E	---	---	---	---	11
12	---	---	---	---	---	---	274.879E	274.834E	---	---	---	---	12
13	---	---	---	---	275.000	274.783	274.884	274.835	---	---	---	---	13
14	---	---	---	---	275.000E	---	274.889E	274.845E	---	---	---	---	14
15	---	---	---	---	275.000	---	274.914	274.855E	---	---	---	---	15
16	---	---	---	---	274.994E	---	274.931E	274.866	---	---	---	---	16
17	---	---	---	---	274.986	---	274.946	274.886E	---	---	---	---	17
18	---	---	---	---	274.981E	---	---	274.886E	---	---	---	---	18
19	---	---	---	---	274.973E	---	---	274.886	---	---	---	---	19
20	---	---	---	---	274.988E	---	---	274.877E	---	---	---	---	20
21	---	---	---	---	274.987	---	---	274.888E	---	---	---	---	21
22	---	---	---	---	274.957E	---	---	274.889	---	---	---	---	22
23	---	---	---	274.917	274.957E	---	---	---	---	---	---	---	23
24	---	---	---	274.917E	274.957	---	---	---	---	---	---	---	24
25	---	---	---	274.917	274.943E	---	---	---	---	---	---	---	25
26	---	---	---	---	274.939E	---	---	---	---	---	---	---	26
27	---	---	---	---	274.914	---	274.880	274.889	---	---	---	---	27
28	---	---	---	---	274.899E	---	---	274.889E	---	---	---	---	28
29	---	---	---	---	274.884E	---	---	274.900E	---	---	---	---	29
30	---		---	---	274.869	---	---	274.901E	---	---	---	---	30
31	---		---		---		---	274.902		275.006		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 54 53 10 N
LONG 100 01 50 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SNOWFLAKE CREEK NEAR SNOWFLAKE - STATION NO. 05DB018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.0	0 B	0 B	0.201	0.041	0	0	0	0	0	0.0	0.0	1
2	0.0	0 B	0 B	0.180	0.048	0	0	0	0	0	0.0	0.0	2
3	0.0	0 B	0 B	0.132	0.072	0	0	0	0	0	0.0	0.0	3
4	0.0	0 B	0 B	0.130	0.077	0	0	0	0	0	0.0	0.0	4
5	0.0	0 B	0 B	0.187	0.131	0	0	0	0	0	0.0	0.0	5
6	0.0	0 B	0 B	0.189	0.280	0	0	0	0	0	0.0	0.0	6
7	0.0	0 B	0 B	0.122	0.216	0.001	0	0	0	0	0.0	0.0	7
8	0.0	0 B	0 B	0.110	0.143	0.021	0	0	0	0	0.0	0.0	8
9	0.0	0 B	0 B	0.083	0.106	0.016	0	0	0	0	0.0	0.0	9
10	0.0	0 B	0 B	0.066	0.096	0.003	0	0	0	0	0.0	0.0	10
11	0.0	0 B	0 B	0.107	0.173	0.001	0	0	0	0	0.0	0.0	11
12	0.0	0 B	0 B	0.224	0.128	0.003	0	0	0	0	0.0	0.0	12
13	0.0	0 B	0 B	0.167	0.075	0.002	0	0	0	0	0.0	0.0	13
14	0.0	0 B	0 B	0.128	0.068	0.001	0	0	0	0	0.0	0.0	14
15	0.0	0 B	0 B	0.097	0.034	0.001	0	0	0	0	0.0	0.0	15
16	0.0	0.0018	0 B	0.088	0.024	0.001	0	0	0	0	0.0	0.0	16
17	0.0	0.0018	0 B	0.047	0.014	0	0	0	0	0	0.0	0.0	17
18	0.0	0.0018	0 B	0.032	0.008	0	0	0	0	0	0.0	0.0	18
19	0.0	0.0018	0 B	0.027	0.004	0	0	0	0	0	0.0	0.0	19
20	0.0	0.0028	0.1518	0.024	0.004	0	0	0	0	0	0.0	0.0	20
21	0.0	0.0038	0.3188	0.022	0.013	0	0	0	0	0	0.0	0.0	21
22	0.0	0.0028	0.3188	0.018	0.007	0	0	0	0	0	0.0	0.0	22
23	0.0	0.0018	0.3038	0.015	0.003	0	0	0	0	0	0.0	0.0	23
24	0.0	0.0018	0.268	0.015	0.003	0	0	0	0	0	0.0	0.0	24
25	0.0	0.0018	0.327	0.013	0.002	0	0	0	0	0	0.0	0.0	25
26	0.0	0.0018	0.421	0.012	0.002	0.001	0	0	0	0	0.0	0.0	26
27	0.0	0.0018	0.243	0.030	0.001	0	0	0	0	0	0.0	0.0	27
28	0.0	0 B	0.249	0.076	0.001	0	0	0	0	0.0	0.0	0.0	28
29	0.0	0 B	0.248	0.017	0	0	0	0	0	0.0	0.0	0.0	29
30	0.0		0.336	0.023	0	0	0	0	0	0.0	0.0	0.0	30
31	0.0		0.250		0		0	0		0.0		0.0	31
TOTAL	0	0.018	3.420	2.540	1.762	0.051	0	0	0	0	0	0	TOTAL
MEAN	0	0.001	0.110	0.085	0.057	0.002	0	0	0	0	0	0	MEAN
MAX	0	0.003	0.421	0.224	0.290	0.021	0	0	0	0	0	0	MAX
MIN	0		0	0.012	0	0	0	0	0	0	0	0	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.021
MAXIMUM DAILY, 0.421 ON MAR 26
MINIMUM DAILY, 0.0 ON JAN 1
MAXIMUM INSTANTANEOUS,
0.840 AT 13:39 CST ON MAR 26

SUMMARY FOR THE YEAR 1984

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 01 17 N
LONG 98 36 13 W
DRAINAGE AREA, 979 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	0	JUL	0
FEB	1.38	AUG	0
MAR	295	SEP	0
APR	219	OCT	0
MAY	152	NOV	0
JUN	4.41	DEC	0

TOTAL DISCHARGE, 672 dam³

SOURIS RIVER AT SOURIS - STATION NO 05NG021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.16 B	7.288	2.078	25.9	4.38	2.95	1.48	1.34	---	---	1
2	---	---	1.19 B	8.248	2.138	27.3	4.33	2.80	1.38	1.33	---	---	2
3	---	---	1.14 B	9.278	2.46	26.9	4.67	2.71	1.14	1.31	---	---	3
4	---	---	1.08 B	8.93	14.8	28.1	4.80	2.80	1.05	1.29	---	---	4
5	---	---	1.06 B	9.99	20.8	25.4	5.04	2.53	1.04	1.34	---	---	5
6	---	---	0.9888	12.8	22.8	24.9	5.05	2.46	1.05	1.42	---	---	6
7	---	---	1.06 B	11.6	22.8	24.6	5.02	2.40	1.18	1.53	---	---	7
8	---	---	1.07 B	8.49	22.8	23.8	4.84	2.24	1.20	1.61	---	---	8
9	---	---	1.13 B	7.48	22.0	23.3	4.80	2.19	1.30	1.65	---	---	9
10	---	---	1.26 B	8.17	21.8	22.7	4.37	2.10	1.48	1.78	---	---	10
11	---	---	1.35 B	5.00	22.3	22.0	4.19	2.03	1.41	1.89	---	---	11
12	---	---	1.59 B	4.51	23.4	20.8	3.82	1.85	1.72	1.98	---	---	12
13	---	---	1.98 B	4.02	23.5	19.3	3.69	1.87	1.68	2.08	---	---	13
14	---	---	2.28 B	3.67	23.1	17.9	3.35	1.85	1.59	2.13	---	---	14
15	---	---	2.32 B	3.93	23.1	16.2	3.13	1.88	1.56	2.34	---	---	15
16	---	---	2.70 B	4.81	23.0	14.6	2.96	1.89	1.58	2.59	---	---	16
17	---	---	3.60 B	4.66	23.3	14.1	2.74	1.85	1.63	2.32	---	---	17
18	---	---	4.15 B	4.60	24.4	12.6	2.47	1.82	1.66	2.18	---	---	18
19	---	---	4.43 B	4.92	24.6	11.3	2.34	1.84	1.68	2.07	---	---	19
20	---	---	4.84 B	4.97	23.3	10.0	2.26	1.85	1.62	2.11	---	---	20
21	---	---	5.43 B	4.47	21.3	9.15	2.30	1.75	1.63	2.47	---	---	21
22	---	---	4.34 B	3.89	20.4	8.80	2.26	1.77	1.74	2.78	---	---	22
23	---	---	3.84 B	3.46	20.7	8.24	2.45	1.80	1.80	2.84	---	---	23
24	---	---	3.84 B	3.26	21.1	7.89	2.84	1.81	1.85	2.49	---	---	24
25	---	---	4.33 B	3.12	21.3	7.17	2.85	1.77	1.94	2.84	---	---	25
26	---	---	4.41 B	2.97	21.9	6.36	2.94	1.70	1.47	2.52	---	---	26
27	---	---	4.53 B	3.068	22.0	5.69	2.99	1.81	1.47	2.73	---	---	27
28	---	---	4.64 B	2.358	22.7	5.47	3.00	1.86	1.44	2.27	---	---	28
29	---	---	5.03 B	2.538	23.8	5.08	3.02	1.47	1.37	2.15	---	---	28
30	---		5.84 B	2.178	24.6	4.63	3.04	1.36	1.31	1.87	---	---	30
31	---		6.28 B		26.1		3.03	1.36		1.73		---	31
TOTAL	---	---	92.634	157.85	633.98	478.78	108.60	61.87	43.43	62.42	---	---	TOTAL
MEAN	---	---	2.99	5.60	20.5	16.0	3.50	2.00	1.45	2.01	---	---	MEAN
MAX	---	---	6.28	12.8	26.1	27.3	5.05	2.95	1.78	2.78	---	---	MAX
MIN	---	---	0.988	2.17	2.07	4.63	2.26	1.36	1.04	1.29	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 6.73
MAXIMUM DAILY, 27.3 ON JUN 2
MINIMUM DAILY, 0.9888 ON MAR 6
MAXIMUM INSTANTANEOUS,
37.8 AT 10:30 CST ON JUN 2

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 37 10 N
LONG 100 15 00 W
DRAINAGE AREA, 55 000 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	9 380
FEB	---	AUG	6 350
MAR	8 000	SEP	3 750
APR	14 500	OCT	6 380
MAY	64 800	NOV	---
JUN	41 400	DEC	---

TOTAL DISCHARGE, 143 000 dam³

SOURIS RIVER AT WAWANESA - STATION NO. 05NG001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.622B	0.567B	1.52B	6.75B	3.87	27.4	4.83	3.19	1.39	1.76	2.34B	1.23 B	1
2	0.624B	0.594B	1.56B	7.66B	3.32	28.3	4.43	3.13	1.41	1.82	1.87B	1.34 B	2
3	0.696B	1.14 B	1.64B	7.91B	3.41	28.7	4.13	3.09	1.46	1.59	1.91B	1.56 B	3
4	0.635B	1.00 B	1.66B	8.55B	3.97	28.4	4.06	2.95	1.58	1.56	1.90B	1.60 B	4
5	1.10 B	0.620B	1.49B	9.94B	12.6	27.7	4.27	2.86	1.63	1.56	1.57B	1.65 B	5
6	1.23 B	0.696B	1.47B	12.2 B	22.9	28.9	4.57	2.71	1.33	1.63	1.42B	1.62 B	6
7	1.11 B	1.10 B	1.66B	12.6 B	23.6	27.3	4.80	2.86	1.28	1.81	1.44B	1.63 B	7
8	1.13 B	1.12 B	1.90B	15.1	23.5	26.1	5.03	2.73	1.32	1.82	1.51B	1.50 B	8
9	0.967B	1.23 B	1.83B	10.3	23.5	24.9	4.67	2.59	1.23	1.82	1.56B	1.35 B	9
10	0.916B	1.24 B	1.86B	9.52	22.9	24.3	4.92	2.47	1.50	1.87	1.46B	1.26 B	10
11	0.950B	1.10 B	1.84B	8.56	22.4	22.9	4.42	2.36	1.56	2.06	1.51B	1.39 B	11
12	0.964B	1.25 B	1.91B	7.81	23.2	23.4	4.31	2.23	2.02	2.21	1.56B	1.35 B	12
13	0.761B	1.36 B	1.70B	6.86	24.2	21.5	4.19	2.14	2.29	2.21	1.72B	1.38 B	13
14	0.637B	2.07 B	1.66B	5.92	24.0	20.0	3.88	2.04	2.16	2.24	1.75B	1.44 B	14
15	0.595B	2.95 B	1.67B	5.04	23.4	18.7	3.50	1.96	2.06	2.56	3.56B	1.29 B	15
16	0.526B	2.03 B	2.23B	4.83	23.1	18.9	3.15	1.93	1.92	3.66	1.99B	1.23 B	16
17	0.450B	1.81 B	2.60B	5.06	23.1	15.6	2.96	1.88	1.81	3.43	2.26B	1.15 B	17
18	0.438B	1.72 B	2.12B	5.62	23.6	14.6	2.82	1.86	1.79	3.17	3.15B	1.19 B	18
19	0.407B	1.61 B	1.96B	5.80	25.1	13.0	2.65	1.85	1.78	3.07	3.53B	1.30 B	19
20	0.379B	1.46 B	1.91B	5.40	25.6	11.5	2.51	1.73	1.66	3.66	4.04B	1.25 B	20
21	0.383B	1.30 B	2.10B	5.76	24.4	10.6	2.39	1.86	1.86	3.29	4.15B	1.45 B	21
22	0.269B	1.32 B	3.60B	5.56	22.0	9.45	2.40	1.78	1.93	2.76	3.82B	1.35 B	22
23	0.233B	1.28 B	13.0 B	4.97	21.2	8.87	2.32	1.76	1.94	2.93	3.19B	1.28 B	23
24	0.219B	1.25 B	13.6 B	4.36	21.7	8.05	2.21	1.70	2.01	3.29	2.60B	1.72 B	24
25	0.206B	1.23 B	13.1 B	4.06	22.2	7.95	2.43	1.73	2.03	3.21	2.48B	1.80 B	25
26	0.223B	1.22 B	10.6 B	3.66	22.5	7.51	2.64	1.71	1.87	3.00	2.39B	2.01 B	26
27	0.265B	1.26 B	8.71B	3.87	22.9	7.04	2.76	1.63	1.66	3.16	2.13B	2.26 B	27
28	0.378B	1.34 B	9.67B	3.52	23.1	6.38	2.66	1.53	1.63	3.12B	1.69B	1.47 B	28
29	0.410B	1.44 B	10.1 B	4.69	23.7	5.77	2.93	1.43	1.60	2.69B	1.52B	1.16 B	29
30	0.425B		8.34B	5.22	24.7	5.17	3.12	1.36	1.76	2.49B	1.34B	1.02 B	30
31	0.456B		10.6 B		25.9		3.24	1.40		2.42B		0.873B	31
TOTAL	18.723	38.810	140.66	210.97	635.47	526.56	109.55	66.29	52.40	77.92	67.64	44.783	TOTAL
MEAN	0.604	1.34	4.54	7.03	20.5	17.6	3.53	2.14	1.75	2.51	2.26	1.44	MEAN
MAX	1.23	2.95	13.6	15.1	25.9	28.7	5.03	3.19	2.29	3.66	4.15	2.26	MAX
MIN	0.206	0.567	1.47	3.52	3.32	5.17	2.31	1.36	1.28	1.56	1.34	0.873	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.44
MAXIMUM DAILY, 28.7 ON JUN 3
MINIMUM DAILY, 0.206B ON JAN 25
MAXIMUM INSTANTANEOUS,
28.8 AT 07:27 CST ON JUN 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 36 05 N
LONG 99 40 55 W
DRAINAGE AREA, 60 300 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 620	JUL	9 470
FEB	3 350	AUG	5 730
MAR	12 200	SEP	4 530
APR	18 200	OCT	6 730
MAY	54 900	NOV	5 840
JUN	45 500	DEC	3 870

TOTAL DISCHARGE, 172 000 dam³

SOURIS RIVER NEAR COULTER - STATION NO. 05NF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.503B	0.674B	1.06B	6.76 B	23.4	27.1	5.72	3.94	1.01	1.42	1.46B	1.06 B	1
2	0.470B	0.635B	1.18B	7.02 B	24.2	26.6	5.92	3.94	1.03	1.42	1.33B	1.03 B	2
3	0.419B	0.655B	1.35B	6.07 B	23.7	25.1	5.77	3.76	1.07	1.21	1.29B	0.976B	3
4	0.619B	0.900B	1.46B	4.65	22.7	24.2	5.47	3.64	1.12	1.07	1.40B	0.966B	4
5	0.710B	0.766B	1.67B	5.57	22.5	23.3	4.99	3.45	1.16	1.35	1.46B	0.943B	5
6	0.735B	0.683B	2.06B	5.90	21.5	23.2	4.49	3.24	1.22	1.40	1.45B	0.839B	6
7	0.746B	0.790B	2.62B	3.31	20.6	23.3	4.22	3.12	1.27	1.51	1.56B	0.836B	7
8	0.696B	0.646B	3.02B	1.56	22.0	22.3	4.01	2.94	1.20	1.60	1.65B	0.825B	8
9	0.957B	1.03 B	3.36B	1.36	24.0	20.2	3.76	2.84	1.16	1.66	2.53B	0.826B	9
10	0.656B	1.16 B	3.66B	1.22	24.3	18.6	3.50	2.78	1.14	1.62	3.33B	0.624B	10
11	0.651B	1.26 B	4.16B	1.66	22.6	17.5	3.16	2.72	1.22	1.66	3.97B	0.644B	11
12	0.616B	1.30 B	4.33B	4.62	23.5	15.6	2.86	2.56	1.70	1.63	4.46B	0.607B	12
13	0.634B	1.30 B	4.33B	6.36	22.7	13.6	2.62	2.51	1.69	1.32	4.75B	0.696B	13
14	0.659B	1.37 B	4.11B	4.28	23.6	12.5	2.35	2.52	1.91	1.10	4.64B	0.666B	14
15	0.629B	1.44 B	3.72B	5.40	25.3	11.4	2.20	2.43	1.92	0.805	4.99B	0.655B	15
16	0.735B	1.50 B	3.11B	6.23	26.3	10.4	2.09	2.29	2.05	1.77	4.07B	0.646B	16
17	0.654B	1.50 B	2.64B	5.13	25.0	9.07	2.21	2.12	2.11	2.04	2.61B	0.601B	17
18	0.634B	1.44 B	2.16B	3.90	21.5	7.85	2.55	2.11	2.01	2.46	1.73B	0.559B	18
19	0.671B	1.33 B	1.94B	2.85	19.6	7.46	3.04	2.10	1.66	1.76	1.27B	0.557B	19
20	0.657B	1.12 B	2.07B	2.76	21.6	7.34	3.67	1.65	1.53	1.67	1.13B	0.551B	20
21	0.726B	1.01 B	3.36B	2.67	23.0	7.07	4.35	1.76	1.31	2.02	1.06B	0.531B	21
22	0.612B	0.693B	3.74B	3.26	23.0	6.64	4.61	1.76	1.62	2.27	1.01B	0.472B	22
23	0.696B	0.634B	3.05B	2.95	24.0	5.75	4.77	1.76	1.39	2.06	1.01B	0.430B	23
24	0.637B	0.443B	3.92B	0.726	24.5	4.94	4.85	1.67	1.16	1.60	1.02B	0.385B	24
25	0.655B	0.417B	5.10B	0.398	24.6	4.53	4.66	1.72	1.24	1.60	1.04B	0.365B	25
26	0.648B	0.665B	6.63B	0.105	26.4	3.96	4.76	1.74	1.30	1.64	1.05B	0.365B	26
27	0.632B	0.707B	6.56B	0.493A	27.5	3.85	4.72	1.66	1.31	0.824	1.21B	0.345B	27
28	0.914B	0.703B	10.2 B	0.395E	26.4	3.77	4.73	1.55	1.30	0.884B	1.23B	0.332B	28
29	1.03 B	0.660B	10.9 B	0.344E	29.0	4.40	4.57	1.41	1.26	1.06 B	1.16B	0.303B	29
30	1.02 B		10.0 B	11.4 A	29.5	5.14	4.30	1.26	1.25	1.22 B	1.09B	0.262B	30
31	0.901B		9.76B		26.3		3.99	1.10		1.36 B		0.261B	31
TOTAL	22.532	28.665	130.15	111.061	749.2	396.81	125.26	74.32	42.79	47.077	62.56	19.889	TOTAL
MEAN	0.727	0.988	4.20	3.70	24.2	13.2	4.04	2.40	1.43	1.52	2.09	0.641	MEAN
MAX	1.03	1.50	10.9	11.4	29.5	27.1	5.92	3.94	2.11	2.46	4.99	1.06	MAX
MIN	0.419	0.417	1.06	0.105	19.6	3.85	2.09	1.10	1.01	0.805	1.01	0.261	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.95
MAXIMUM DAILY, 29.5 ON MAY 30
MINIMUM DAILY, 0.105 ON APR 26
MAXIMUM INSTANTANEOUS,
29.7 AT 09:57 CST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 06 27 N
LONG 100 57 12 W
DRAINAGE AREA, 43 300 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 950	JUL	10 800
FEB	2 480	AUG	6 420
MAR	11 200	SEP	3 700
APR	9 600	OCT	4 070
MAY	64 700	NOV	5 410
JUN	34 300	DEC	1 720

TOTAL DISCHARGE, 156 000 dam³

SOURIS RIVER NEAR LAUDER - STATION NO. 05NB025

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	1.008	8.988	0.835	28.8	3.88	3.08	0.922	1.28	---	---	1
2	---	---	1.188	8.798	10.8 A	25.8	4.33	2.94	0.940	1.21	---	---	2
3	---	---	1.208	8.328	20.8 E	28.1	4.71	2.88	0.978	1.21	---	---	3
4	---	---	1.308	8.238	23.3 E	24.5	4.79	2.88	1.03	1.26	---	---	4
5	---	---	1.408	7.778	23.8 E	24.1	4.84	2.83	1.08	1.32	---	---	5
6	---	---	1.508	7.748	23.4 E	23.5	4.48	2.78	1.18	1.43	---	---	6
7	---	---	1.708	7.81	22.8 A	23.1	4.25	2.67	1.32	1.89	---	---	7
8	---	---	1.408	8.20	22.1	22.8	4.25	2.64	1.38	1.83	---	---	8
9	---	---	1.908	4.99	22.4	22.5	4.03	2.44	1.38	1.89	---	---	9
10	---	---	2.008	3.31	23.5	21.4	3.78	2.40	1.38	1.89	---	---	10
11	---	---	2.108	2.78	24.0	20.0	3.47	2.37	1.33	2.23	---	---	11
12	---	---	2.308	2.68	23.7	18.9	3.20	2.37	1.82	2.31	---	---	12
13	---	---	2.608	3.38	23.8	17.6	2.99	2.38	1.84	2.34	---	---	13
14	---	---	2.808	4.81	23.4	15.8	2.72	2.38	1.71	2.23	---	---	14
15	---	---	2.708	4.48	23.7	14.5	2.42	2.32	1.78	2.20	---	---	15
16	---	---	3.008	4.42	24.6	13.7	2.28	2.26	1.83	2.32	---	---	16
17	---	---	3.308	4.88	25.5	12.8	2.26	2.25	1.83	1.90	---	---	17
18	---	---	3.608	5.10	24.8	11.0	2.17	2.25	1.78	2.03	---	---	18
19	---	---	4.008	4.84	23.1	9.57	2.18	2.15	1.75	2.72	---	---	19
20	---	---	4.508	3.72	21.5	8.71	2.25	2.14	1.88	3.20	---	---	20
21	---	---	4.608	3.11	21.5	8.23	2.53	2.09	1.84	2.99	---	---	21
22	---	---	4.708	2.82	21.9	7.74	2.77	2.05	1.80	2.67	---	---	22
23	---	---	4.808	2.74	22.1	7.27	2.84	1.91	1.43	2.68	---	---	23
24	---	---	4.908	2.82	22.8	8.38	3.17	1.84	1.47	2.96	---	---	24
25	---	---	5.008	2.68	22.7	5.55	3.22	1.83	1.48	2.92	---	---	25
26	---	---	5.118	1.82	22.8	5.05	3.29	1.70	1.34	2.68	---	---	26
27	---	---	5.448	1.938	23.8	4.81	3.34	1.59	1.25	2.49	---	---	27
28	---	---	5.118	1.828	24.5	4.18	3.32	1.55	1.21	2.45A	---	---	28
29	---	---	7.018	1.488	25.4	3.85	3.30	1.55	1.21	2.12E	---	---	29
30	---	---	8.088	1.138	25.3	3.74	3.30	1.51	1.24	1.88E	---	---	30
31	---		8.888		27.0		3.20	1.05		1.09A		---	31
TOTAL	---	---	110.24	133.80	891.935	436.59	103.49	68.98	42.298	65.86	---	---	TOTAL
MEAN	---	---	3.56	4.46	22.3	14.6	3.34	2.23	1.41	2.12	---	---	MEAN
MAX	---	---	8.88	8.98	27.0	28.8	4.79	3.08	1.83	3.20	---	---	MAX
MIN	---	---	1.00	1.13	0.835	3.74	2.18	1.05	0.922	1.09	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.78
MAXIMUM DAILY, 27.0 ON MAY 31
MINIMUM DAILY, 0.835 ON MAY 1
MAXIMUM INSTANTANEOUS,
27.2 AT 11:34 CST ON MAY 31

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 24 00 N
LONG 100 45 37 W

A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	8 940
FEB	---	AUG	5 980
MAR	9 520	SEP	3 650
APR	11 800	OCT	5 670
MAY	59 800	NOV	---
JUN	37 900	DEC	---

TOTAL DISCHARGE, 143 000 dam³

SOURIS RIVER NEAR WESTHOPE - STATION NO 05NF012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.566	0.823	0.7938	2.61	23.2	29.2	5.84	5.80	1.61	1.25	1.33	0.650	1
2	0.566	0.880	0.8918	1.86	23.4	28.6	5.85	5.12	1.61	1.30	1.30	0.650	2
3	0.823	0.736	1.22 B	2.12	23.3	27.2	5.84	5.58	1.53	1.13	1.33	0.650	3
4	0.706	0.793	1.44 B	4.67	23.7	26.7	5.31	5.10	1.47	1.16	1.44	0.650	4
5	0.736	0.782	1.76	6.83	21.9	26.5	5.44	4.59	1.42	1.19	1.50	0.650	5
6	0.736	0.785	2.12	6.73	21.8	26.2	4.26	4.30	1.42	1.33	1.53	0.650	6
7	0.706	0.736	2.83	2.04	21.5	25.9	3.45	4.02	1.38	1.44	1.84	0.650	7
8	0.680	0.736	5.66	1.81	23.0	24.9	3.71	3.77	1.27	1.39	1.81	0.650	8
9	0.851	0.736	5.36	1.36	24.3	23.1	3.71	3.51	1.19	1.39	2.07	0.650	9
10	0.851	0.793	4.53	1.10	24.7	21.0	3.48	3.17	1.13	1.33	2.49	0.650	10
11	0.823	0.850	4.25	1.33	23.2	19.1	3.14	2.85	1.10	1.33	3.34	0.793	11
12	0.823	0.934	3.96	2.04	23.8	17.3	2.88	2.83	1.08E	1.27	4.18	0.738	12
13	0.595	0.934	3.68	2.32	23.4	15.0	2.78	2.78	1.05E	1.19	4.70	0.680	13
14	0.566	0.883	3.11	3.72	24.0	13.2	2.80	2.78	1.03E	1.10	4.79	0.622	14
15	0.566	1.02	2.24	3.80	24.5	12.1	2.80	2.83	1.03E	0.991	4.13	0.566	15
16	0.538	0.991	1.81	3.84	24.8	10.9	3.08	2.38	1.03E	1.13	2.12	0.510	16
17	0.510	0.881	1.42	2.82	23.7	9.66	3.26	2.38	1.05E	1.90	1.84	0.453	17
18	0.481	0.883	1.22	2.07	20.4	7.82	3.74	2.24	1.13E	1.81	1.42	0.388	18
19	0.481	0.8508	1.10	1.86	19.6	7.36	4.80	2.04	1.19	1.53	1.25	0.340	19
20	0.453	0.7868	1.02	1.86	22.1	7.22	5.03	1.93	1.27	1.44	1.13	0.311	20
21	0.425	0.8008	1.27	1.86	23.7	6.85	7.82	1.84	1.44	1.58	0.906	0.283	21
22	0.425	0.8238	1.83	3.10	24.2	6.89	9.28	1.70	1.44	1.58	0.793	0.283	22
23	0.425	0.8108	1.87	1.47	25.2	6.81	8.40	1.84	1.39	1.50	0.708	0.283	23
24	0.425	0.4288	3.40	0.610	26.2	3.45	9.32	2.04	1.27	1.47	0.680	0.283	24
25	0.425	0.8108	8.10	0.127	25.5	3.11	8.23	2.07	1.25	1.27	0.708	0.255	25
26	0.425	0.8108	8.23	0.633	26.2	2.83	8.23	2.07	1.27	1.18	0.821	0.255	26
27	0.425	0.8108	8.08	1.10	28.4	2.48	8.12	2.04	1.30	1.05	0.650	0.227	27
28	0.453	0.8868	8.78	0.881	30.3	2.86	8.38	1.98	1.27	0.963	0.650	0.227	28
29	0.510	0.7088	7.83	2.86	30.8	3.07	7.62	1.93	1.22	1.02	0.650	0.227	29
30	0.538		8.80	13.8	31.1	4.38	7.85	1.81	1.22	1.30	0.650	0.227	30
31	0.566		8.66		30.6		7.86	1.87		1.38		0.227	31
TOTAL	17.103	21.723	107.804	76.751	763.8	418.30	179.89	92.80	38.01	40.304	53.058	15.865	TOTAL
MEAN	0.552	0.749	3.48	2.53	24.6	13.9	5.81	2.99	1.27	1.30	1.77	0.538	MEAN
MAX	0.736	1.02	8.66	13.8	31.1	29.2	9.40	5.80	1.61	1.61	4.79	0.650	MAX
MIN	0.425	0.425	0.793	0.127	19.6	2.48	2.78	1.84	1.02	0.963	0.650	0.227	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.85
MAXIMUM DAILY, 31.1 ON MAY 30
MINIMUM DAILY, 0.127 ON APR 25
MAXIMUM INSTANTANEOUS,
31.1 ON MAY 30

SUMMARY FOR THE YEAR 1984

INTERNATIONAL GAUGING STATION
TYPE OF GAUGE - RECORDING
LOCATION - LAT 48 59 47 N
LONG 100 57 28 W
DRAINAGE AREA, 43 000 km²

B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 480	JUL	15 800
FEB	1 880	AUG	8 000
MAR	9 320	SEP	3 280
APR	8 800	OCT	3 480
MAY	65 000	NOV	4 580
JUN	35 100	DEC	1 440

TOTAL DISCHARGE, 158 000 dam³

SOUTH MOOSE LAKE AT MOOSE LAKE NARROWS CONTROL STRUCTURE - STATION NO. 05KK005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	255.978	256.041	256.040	256.013	255.903	255.731	255.715	255.747	255.800	1
2	---	---	---	255.979	256.044	256.038	255.991	255.901	255.735	255.708	255.747	255.798	2
3	---	---	---	255.976	256.037	256.019	255.985	255.897	255.733	255.704	255.784	255.798	3
4	---	---	---	255.975	256.036	256.035	255.972	255.885	255.730	255.703	255.780	255.801	4
5	---	---	---	255.975	256.034	256.021	255.970	255.894	255.730	255.703	255.769	255.800	5
6	---	---	---	255.971	256.038	256.009	255.978	255.894	255.725	255.703	255.782	255.801	6
7	---	---	---	255.972	256.034	256.002	255.984	255.891	255.732	255.698	255.765	255.801	7
8	---	---	---	255.977	256.041	256.002	255.982	255.880	255.721	255.698	255.784	255.801	8
9	---	---	---	255.976	256.043	256.031	255.981	255.859	255.727	255.706	255.784	255.804	9
10	---	---	---	255.982	256.030	256.050	255.988	255.884	255.727	255.707	255.767	255.801	10
11	256.116A	---	---	255.985	256.036	256.027	255.984	255.856	255.730	255.705	255.787	255.801	11
12	---	---	---	255.981	256.044	256.018	255.958	255.851	255.728	255.702	255.788	255.802	12
13	---	---	---	255.981	256.047	256.018	255.956	255.853	255.731	255.707	255.772	255.800	13
14	---	---	---	255.981	256.034	256.026	255.953	255.848	255.727	255.708	255.771	255.801	14
15	---	---	---	255.987	256.029	256.025	255.982	255.827	255.729	255.701	255.782	255.800	15
16	---	---	---	255.990	256.028	256.013	255.957	255.874	255.726	255.698	255.785	255.799	16
17	---	---	---	255.995	256.044	256.010	255.959	255.845	255.725	255.740	255.785	255.798	17
18	---	---	---	255.985	256.024	256.018	255.959	255.827	255.724	255.741	255.787	255.794	18
19	---	---	---	255.987	256.034	256.011	255.945	255.824	255.717	255.722	255.787	255.793	19
20	---	---	---	255.987	256.036	256.013	255.949	255.830	255.718	255.727	255.790	255.795	20
21	---	---	---	256.002	256.038	256.014	255.947	255.780	255.698	255.734	255.790	255.796	21
22	---	256.051A	---	256.007	256.041	256.018	255.943	255.781	255.710	255.737	255.788	255.798	22
23	---	256.050A	---	256.003	256.045	256.002	255.938	255.790	255.731	255.742	255.790	255.798	23
24	---	256.049A	---	255.998	256.042	256.018	255.927	255.783	255.725	255.729	255.788	255.800	24
25	---	256.048A	---	256.003	256.038	256.020	255.923	255.779	255.725	255.733	255.790	255.799	25
26	---	256.043A	---	256.011	256.038	256.010	255.922	255.784	255.722	255.748	255.783	255.799	26
27	---	256.042A	---	256.022	256.051	256.014	255.923	255.772	255.726	255.740	255.788	255.798	27
28	---	---	255.988A	256.031	256.050	256.018	255.919	255.768	255.714	255.736	255.788	255.798	28
29	---	---	255.984	256.041	256.040	256.014	255.915	255.765	255.712	255.739	255.787	255.794	29
30	---		255.981	256.038	256.032	256.011	255.905	255.760	255.710	255.728	255.800	255.797	30
31	---		255.978		256.036		255.899	255.729		255.735		255.796	31
MEAN	---	---	---	255.984	256.038	256.018	255.953	255.821	255.724	255.719	255.777	255.799	MEAN
MAX	---	---	---	256.041	256.068	256.060	256.012	255.903	255.735	255.748	255.800	255.804	MAX
MIN	---	---	---	255.971	256.024	256.002	255.899	255.729	255.698	255.695	255.747	255.793	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 53 57 00 N
LONG 100 10 00 W

A - MANUAL GAUGE

MINIMUM DAILY, 255.695 ON OCT 7

REGULATED SINCE 1964

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

SOUTH SEAL RIVER ABOVE FOX LAKE - STATION NO. 06GA001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	51.88	35.18	26.48	16.48	288	197	137	105	123	89.8	65.78	34.88	1
2	51.28	34.68	26.08	16.28	267	194	132	103	123	87.4	64.48	34.38	2
3	50.88	34.18	27.68	17.78	248	194	127	101	126	87.2	63.28	33.68	3
4	50.68	37.78	27.68	17.78	228	201	123	97.3	127	84.5	62.08	33.08	4
5	50.08	37.28	27.08	17.38	220	212	120	93.7	131	85.5	60.68	32.18	5
6	49.48	35.78	26.68	16.88	210	218	120	88.1	135	85.0	59.28	31.58	6
7	49.48	35.78	26.68	16.68	203	224	117	84.2	132	83.2	57.98	31.08	7
8	48.88	35.28	26.18	16.28	198	224	118	82.1	133	84.5	56.58	30.48	8
9	48.48	35.68	25.78	15.88	187	228	118	79.0	140	85.0	55.38	29.88	9
10	48.38	35.88	25.28	15.48	183	226	116	78.1	140	85.1	54.08	29.38	10
11	48.38	35.38	24.88	15.48	175	222	113	78.8	140	84.0	52.88	28.88	11
12	47.78	34.88	24.68	15.48	172	215	112	78.7	138	83.8	51.88	28.28	12
13	47.18	34.48	24.48	16.28	168	211	112	72.9	138	83.8	50.88	27.78	13
14	46.68	34.48	23.88	16.68	166	206	109	71.3	134	82.9	49.48	27.18	14
15	46.08	33.88	23.68	16.88	161	203	104	68.1	134	82.2	48.38	26.88	15
16	46.08	33.68	23.18	17.78	158	190	104	67.5	131	78.3	47.18	26.18	16
17	44.88	33.08	23.18	18.48	160	184	102	67.4	128	76.1	46.08	25.78	17
18	44.98	32.68	22.78	20.08	184	180	102	65.1	125	72.7	44.98	25.18	18
19	44.38	32.18	22.38	21.68	218	175	98.9	62.3	121	74.7	44.08	24.68	19
20	43.88	32.18	21.98	23.18	246	167	96.4	61.8	117	76.8	42.98	24.18	20
21	43.38	31.68	21.98	27.08	256	158	95.2	59.5	113	76.7	41.98	23.68	21
22	42.78	31.28	21.68	41.18	261	159	95.9	57.6	108	76.5	41.28	23.28	22
23	42.78	30.78	21.58	85.08	263	154	96.4	76.5	104	76.7	40.48	22.78	23
24	42.18	30.38	21.18	151.8	263	153	96.3	84.8	107	75.3	38.88	22.38	24
25	41.88	30.38	20.78	226.8	257	154	102	94.4	102	73.7	38.88	21.98	25
26	41.18	29.88	20.38	275	248	151	105	102	100	73.5	38.08	21.58	26
27	41.18	29.38	20.08	298	242	150	107	107	98.7	73.7	37.58	21.18	27
28	40.68	28.98	20.08	301	234	150	108	111	98.6	71.58	36.78	20.78	28
29	40.18	28.98	19.68	304	227	145	108	114	94.9	70.18	36.08	20.38	29
30	39.88		19.28	304	218	141	109	118	90.8	68.88	35.48	20.08	30
31	39.88		18.88		208		107	118		67.28		19.68	31
TOTAL	1 412.4	978.1	727.7	2 384.3	6 710	5 588	3 415.1	2 857.1	3 628.0	2 457.6	1 482.2	821.1	TOTAL
MEAN	45.6	33.8	23.5	79.8	216	186	110	85.7	121	79.3	48.7	28.5	MEAN
MAX	51.8	38.1	28.4	304	288	228	137	118	140	89.8	65.7	34.9	MAX
MIN	39.8	28.8	18.8	16.4	166	141	95.9	68.8	90.8	67.2	36.4	19.6	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 88.0
MAXIMUM DAILY, 304 ON APR 29
MINIMUM DAILY, 16.48 ON APR 10
MAXIMUM INSTANTANEOUS,
312 ON APR 29

TYPE OF GAUGE - RECORDING
LOCATION - LAT 58 08 35 N
LONG 98 13 40 W
DRAINAGE AREA, 12 200 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	122 000	JUL	295 000
FEB	84 800	AUG	330 000
MAR	82 800	SEP	313 000
APR	206 000	OCT	212 000
MAY	580 000	NOV	128 000
JUN	483 000	DEC	70 900

TOTAL DISCHARGE, 2 780 000 dam³

SOUTH TOBACCO CREEK NEAR MIAMI - STATION NO. 05OF017

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.105	0.050	0	0.011	0	0	0	---	---	1
2	---	---	0 B	0.081	0.071	0	0.007	0	0	0	---	---	2
3	---	---	0 B	0.084	0.132	0	0.004	0	0	0	---	---	3
4	---	---	0 B	0.078	0.171	0	0	0	0	0	---	---	4
5	---	---	0 B	0.077	0.173	0	0	0	0	0	---	---	5
6	---	---	0 B	0.072	0.259	0	0	0	0	0	---	---	6
7	---	---	0 B	0.066	0.271	0.045	0	0	0	0	---	---	7
8	---	---	0 B	0.056	0.185	0.071	0	0	0	0	---	---	8
9	---	---	0 B	0.052	0.145	0.122	0.028	0	0	0	---	---	9
10	---	---	0 B	0.050	0.144	0.087	0.008	0	0	0	---	---	10
11	---	---	0 B	0.059	0.172	0.057	0	0	0	0	---	---	11
12	---	---	0 B	0.178	0.128	0.056	0	0	0	0	---	---	12
13	---	---	0 B	0.154	0.123	0.047	0	0	0	0	---	---	13
14	---	---	0 B	0.077	0.118	0.038	0	0	0	0	---	---	14
15	---	---	0 B	0.048	0.084	0.030	0	0	0	0	---	---	15
16	---	---	0 B	0.024	0.068	0.757	0	0	0	0	---	---	16
17	---	---	0 B	0.030	0.057	0.485	0	0	0	0	---	---	17
18	---	---	0 B	0.024	0.048	0.214	0	0	0	0	---	---	18
19	---	---	0 B	0.021	0.044	0.082	0	0	0	0	---	---	19
20	---	---	0 B	0.018	0.053	0.048	0	0	0	0	---	---	20
21	---	---	0 B	0.014	0.087	0.052	0	0	0	0	---	---	21
22	---	---	0 0038	0.014	0.058	1.09	0	0	0	0	---	---	22
23	---	---	0 0438	0.017	0.042	0.189	0	0	0	0.008	---	---	23
24	---	---	0 642A	0.008	0.037	0.107	0	0	0	0.022	---	---	24
25	---	---	0 872	0	0.033	0.085	0	0	0	0.030	---	---	25
26	---	---	0.887	0	0.019	0.054	0	0	0	0.011	---	---	26
27	---	---	0 359	0	0.022	0.055	0	0	0	0	---	---	27
28	---	---	0 274	0.004	0.018	0.038	0	0	0	0	---	---	28
29	---	---	0 142	0.034	0.018	0.022	0	0	0	0	---	---	29
30	---		0 110	0.055	0.007	0.014	0	0	0	0 B	---	---	30
31	---		0 122		0		0	0		0 B		---	31
TOTAL	---	---	3 254	1 517	2 809	3 808	0 057	0	0	0 059	---	---	TOTAL
MEAN	---	---	0 105	0 051	0 091	0 127	0 002	0	0	0 002	---	---	MEAN
MAX	---	---	0 872	0 179	0 271	1 09	0 028	0	0	0 022	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 047
MAXIMUM DAILY, 1 09 ON JUN 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
3 80 AT 03 30 CST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 22 50 N
LONG 98 14 55 W
DRAINAGE AREA, 73 3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	4 92
FEB	---	AUG	0
MAR	281	SEP	0
APR	131	OCT	5 10
MAY	243	NOV	---
JUN	328	DEC	---

TOTAL DISCHARGE, 994 dam³

SOUTHERN INDIAN LAKE AT SOUTH BAY - STATION NO. 05EC003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256 078	257 983	257 799	257 650	257 743	256 033	256 084	256 012	256 015	257 893	257 827	257 639A	1
2	256 082	257 950	257 795	257 638	257 767	256 040	256 070	256 008	256 010	256 011	257 801	---	2
3	256 085	257 950	257 800	257 636	257 769	256 045	256 082	256 004	256 027	256 001	257 788	---	3
4	256 077	257 941	257 774	257 617	257 778	256 056	256 103	256 006	256 038	257 973	257 777	---	4
5	256 076	257 933	257 771	257 620	257 784	256 076	256 093	256 004	256 031	257 946	257 788	---	5
6	256 071	257 934	257 761	257 616	257 806	256 085	256 082	256 012	256 022	257 956	257 780	---	6
7	256 082	257 930	257 767	257 611	257 813	256 097	256 084	257 986	256 006	257 953	257 759	---	7
8	256 048	257 931	257 747	257 581	257 812	256 108	256 052	256 001	256 047	257 945	257 761	---	8
9	256 044	257 917	257 742	257 582	257 821	256 064	256 056	256 004	256 013	257 946	257 759	---	9
10	256 044	257 915	257 736	257 584	257 825	256 061	256 067	257 983	256 004	257 946	257 757	---	10
11	256 032	257 911	257 727	257 587	257 825	256 096	256 077	257 986	257 998	257 939	257 760	---	11
12	256 022	257 901	257 730	257 587	257 822	256 095	256 072	257 986	256 016	257 937	257 744	---	12
13	256 018	257 891	257 712	257 589	257 821	256 091	256 068	257 970	256 021	257 921	257 752	---	13
14	256 006	257 886	257 709	257 602	257 826	256 087	256 068	257 970	256 019	257 905	257 752	---	14
15	256 023	257 886	257 714	257 587	257 837	256 092	256 047	257 980	256 018	257 912	257 743	---	15
16	256 018	257 874	257 698	257 591	257 855	256 101	256 048	257 980	256 011	257 934	257 734	---	16
17	256 011	257 878	257 688	257 571	257 871	256 088	256 037	257 987	256 026	257 933	257 739	---	17
18	256 014	257 881	257 702	257 580	257 888	256 090	256 038	257 972	256 038	257 924	257 732	---	18
19	256 006	257 888	257 678	257 583	257 908	256 082	256 080	257 970	256 043	257 924	257 723	---	19
20	256 005	257 872	257 682	257 583	257 924	256 085	256 050	256 004	256 048	257 900	257 722	---	20
21	256 005	257 881	257 677	257 581	257 942	256 084	256 047	256 053	256 037	257 891	257 711	---	21
22	257 998	257 872	257 672	257 605	257 955	256 094	256 054	257 988	256 070	257 873	257 706	---	22
23	257 998	257 857	257 680	257 628	257 962	256 094	256 059	257 987	256 044	257 869	257 698	---	23
24	257 998	257 848	257 670	257 638	257 978	256 085	256 051	256 002	256 005	257 871	257 694	---	24
25	257 992	257 842	257 670	257 651	257 988	256 083	256 053	256 004	256 009	257 827	257 688	---	25
26	257 988	257 828	257 683	257 659	257 989	256 095	256 036	256 005	256 005	257 831	257 688	---	26
27	257 973	257 821	257 683	257 674	258 001	256 093	256 034	256 014	257 988	257 844	257 681	---	27
28	257 973	257 817	257 680	257 708	258 010	256 078	256 039	256 018	256 000	257 806	257 676	---	28
29	257 982	257 817	257 674	257 728	258 017	256 081	256 037	257 978	256 007	257 776	257 686	---	29
30	257 986		257 686	257 734	258 025	256 078	256 031	256 029	257 998	257 802	257 692	---	30
31	257 988		257 843		258 028		256 026	256 037		257 812		---	31
MEAN	256 020	257 886	257 712	257 621	257 884	256 083	256 057	257 995	256 024	257 906	257 734	---	MEAN
MAX	256 085	257 983	257 800	257 734	258 028	256 108	256 103	256 053	256 088	256 011	257 827	---	MAX
MIN	257 988	257 817	257 843	257 671	257 743	256 033	256 026	257 980	257 998	257 778	257 692	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 258 108 ON JUN 8

MAXIMUM INSTANTANEOUS,
258 132 AT 16 30 CST ON JUN 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 40 51 N
LONG 99 01 11 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO CHURCHILL RIVER DATUM (MANITOBA HYDRO)

SOUTHERN INDIAN LAKE NEAR SOUTH INDIAN LAKE - STATION NO 05EC001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.086	257.851	257.794	257.632	257.725	256.031	256.058	256.001	256.000	257.971	257.790	257.613	1
2	256.086	257.840	257.781	257.622	257.737	256.038	256.065	256.001	257.997	257.965	257.777	257.609	2
3	256.087	257.838	257.767	257.617	257.746	256.045	256.067	257.993	256.003	257.958	257.765	257.602	3
4	256.085	257.838	257.760	257.613	257.749	256.050	256.050	257.985	256.014	257.953	257.757	257.589	4
5	256.083	257.818	257.760	257.609	257.752	256.056	256.072	257.986	256.008	257.932	257.740	257.569	5
6	256.086	257.817	257.753	257.603	257.777	256.077	256.064	257.989	256.004	257.948	257.727	257.558	6
7	256.088	257.817	257.752	257.599	257.778	256.078	256.046	257.980	256.046	257.936	257.725	257.557	7
8	256.039	257.817	257.741	257.590	257.783	256.080	256.027	257.980	256.032	257.927	257.723	257.555	8
9	256.040	257.818	257.736	257.585	257.801	256.080	256.048	257.986	257.998	257.930	257.728	257.555	9
10	256.040	257.807	257.729	257.584	257.808	256.082	256.055	257.983	257.981	257.925	257.718	257.553	10
11	256.032	257.802	257.718	257.585	257.810	256.068	256.058	257.980	257.981	257.917	257.717	257.578	11
12	256.028	257.803	257.715	257.585	257.818	256.064	256.055	257.981	257.988	257.918	257.715	257.567	12
13	256.036	257.803	257.703	257.585	257.827	256.060	256.048	257.976	256.005	257.911	257.711	257.554	13
14	256.014	257.803	257.700	257.577	257.837	256.058	256.048	257.981	256.003	257.883	257.710	257.548	14
15	256.016	257.806	257.693	257.566	257.843	256.063	256.032	257.972	256.003	257.890	257.711	257.548	15
16	256.018	257.803	257.682	257.562	257.858	256.081	256.038	257.953	257.984	257.908	257.707	257.539	16
17	256.008	257.878	257.683	257.558	257.868	256.078	256.028	257.969	257.986	257.901	257.707	257.528	17
18	256.005	257.873	257.686	257.560	257.880	256.064	256.025	257.985	256.013	257.888	257.701	257.522	18
19	256.000	257.871	257.690	257.570	257.907	256.058	256.038	257.980	256.017	257.880	257.695	257.521	19
20	257.993	257.858	257.683	257.571	257.917	256.057	256.028	257.981	256.016	257.874	257.681	257.517	20
21	257.980	257.858	257.678	257.576	257.927	256.056	256.032	256.035	256.005	257.858	257.666	257.514	21
22	257.987	257.853	257.688	257.580	257.943	256.060	256.035	257.981	256.025	257.845	257.662	257.501	22
23	257.988	257.842	257.688	257.606	257.954	256.064	256.043	257.980	256.017	257.850	257.675	257.498	23
24	257.985	257.838	257.684	257.628	257.958	256.072	256.038	257.987	257.985	257.839	257.668	257.482	24
25	257.978	257.828	257.657	257.638	257.978	256.078	256.039	257.989	257.988	257.802	257.663	257.482	25
26	257.974	257.828	257.658	257.644	257.985	256.067	256.025	257.988	257.988	257.791	257.662	257.477	26
27	257.986	257.815	257.654	257.657	257.983	256.062	256.022	256.004	257.986	257.808	257.652	257.477	27
28	257.986	257.802	257.652	257.677	256.000	256.057	256.025	256.007	257.988	257.788	257.645	257.474	28
29	257.983	257.803	257.648	257.703	256.006	256.073	256.027	257.978	257.983	257.752	257.639	257.465	29
30	257.957		257.640	257.714	256.018	256.067	256.025	256.010	257.975	257.776	257.624	257.455	30
31	257.958		257.635		256.024		256.018	256.025		257.772		257.452	31
MEAN	256.013	257.851	257.702	257.607	257.872	256.067	256.042	257.988	256.002	257.882	257.704	257.538	MEAN
MAX	256.087	257.851	257.794	257.714	258.024	256.087	256.080	258.035	258.048	257.985	257.790	257.613	MAX
MIN	257.956	257.802	257.635	257.558	257.725	256.031	256.018	257.953	257.975	257.752	257.624	257.452	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 257.858
MAXIMUM DAILY, 258.087 ON JUN 26
MINIMUM DAILY, 257.452 ON DEC 31
MAXIMUM INSTANTANEOUS,
258.104 AT 17:30 CST ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 46 44 N
LONG 98 56 26 W

REGULATED SINCE 1976

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN GOVT EXT)

SPLIT LAKE AT SPLIT LAKE - STATION NO 05UF003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	187.809	187.571	187.442	187.235	186.977	186.873	186.830	186.762	186.606	186.761	186.974	187.590	1
2	187.777	187.553	187.466	187.211	186.966	186.885	186.782	186.698	186.604	186.736	186.973	187.638	2
3	187.761	187.548	187.486	187.183	186.959	186.870	186.786	186.685	186.582	186.740	186.948	187.667	3
4	187.763	187.551	187.444	187.161	186.953	186.848	186.756	186.674	186.597	186.751	186.938	187.647	4
5	187.764	187.559	187.430	187.145	186.951	186.792	186.787	186.711	186.595	186.781	186.999	187.628	5
6	187.734	187.573	187.418	187.148	186.952	186.793	186.806	186.731	186.561	186.776	187.065	187.627	6
7	187.682	187.582	187.410	187.147	186.927	186.758	186.808	186.712	186.491	186.780	187.099	187.652	7
8	187.640	187.614	187.403	187.136	186.908	186.808	186.816	186.783	186.512	186.788	187.144	187.686	8
9	187.611	187.656	187.409	187.114	186.841	186.895	186.814	186.780	186.595	186.788	187.183	187.678	9
10	187.593	187.643	187.412	187.100	186.869	186.895	186.807	186.784	186.585	186.793	187.114	187.606	10
11	187.584	187.652	187.424	187.062	186.841	186.888	186.795	186.785	186.597	186.788	187.111	187.612	11
12	187.581	187.656	187.437	187.063	186.895	186.883	186.785	186.788	186.581	186.801	187.092	187.606	12
13	187.571	187.667	187.423	187.052	186.895	186.903	186.778	186.749	186.589	186.818	187.085	187.672	13
14	187.587	187.721	187.403	187.037	186.838	186.909	186.726	186.686	186.583	186.820	187.115	187.660	14
15	187.583	187.699	187.387	187.028	186.798	186.891	186.749	186.689	186.589	186.811	187.173	187.682	15
16	187.631	187.808	187.378	187.028	186.787	186.840	186.778	186.639	186.615	186.788	187.184	187.698	16
17	187.686	187.853	187.403	187.031	186.735	186.831	186.829	186.629	186.788	187.180	187.501	17
16	187.707	187.907	187.434	187.044	186.745	186.859	186.686	186.581	186.638	187.170	187.488	16
19	187.736	187.903	187.448	187.057	186.786	186.863	186.680	186.563	186.633	186.788	187.187	187.483	19
20	187.727	187.926	187.427	187.071	186.773	186.884	186.685	186.583	186.636	186.817	187.156	187.484	20
21	187.728	187.903	187.400	187.100	186.778	186.831	186.684	186.580	186.608	186.808	187.213	187.486	21
22	187.738	187.883	187.380	187.104	186.818	186.856	186.700	186.637	186.552	186.818	187.188	187.480	22
23	187.761	187.868	187.388	187.118	186.831	186.850	186.738	186.644	186.581	186.848	187.132	187.473	23
24	187.743	187.884	187.368	187.131	186.836	186.843	186.748	186.686	186.606	186.864	187.107	187.488	24
25	187.731	187.872	187.388	187.087	186.844	186.827	186.783	186.683	186.578	186.878	187.118	187.471	25
26	187.707	187.882	187.430	187.087	186.848	186.822	186.781	186.670	186.701	186.878	187.139	187.471	26
27	187.702	187.871	187.411	187.060	186.852	186.828	186.803	186.697	186.711	186.897	187.223	187.463	27
28	187.695	187.873	187.396	187.027	186.853	186.848	186.845	186.650	186.726	186.888	187.256	187.426	28
29	187.682	187.901	187.388	187.005	186.883	186.858	186.876	186.684	186.736	186.877	187.408	187.408	29
30	187.625		187.313	186.987	186.887	186.851	186.867	186.683	186.721	186.900	187.588	187.402	30
31	187.604		187.271		186.880		186.788	186.698		186.945		187.413	31
MEAN	187.681	187.525	187.403	187.082	186.888	186.852	186.774	186.673	186.618	186.814	187.148	187.472	MEAN
MAX	187.809	187.721	187.468	187.235	186.977	186.909	186.867	186.788	186.736	186.945	187.588	187.590	MAX
MIN	187.587	187.354	187.271	186.987	186.735	186.758	186.680	186.581	186.491	186.734	186.948	187.402	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 187.078
MAXIMUM DAILY, 187.809 ON JAN 1
MINIMUM DAILY, 186.491 ON SEP 7
MAXIMUM INSTANTANEOUS,
187.819 AT 00:01 CST ON JAN 1

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 14 43 N
LONG 98 05 40 W

REGULATED SINCE 1960

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT)

ST. MALO RESERVOIR NEAR ST. MALO - STATION NO. 05OE003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	256.031	256.042	256.087	256.131	256.118	256.087	256.177	256.052	255.977E	255.878	256.074	256.055	1
2	256.032	256.043	256.086	256.131	256.118	256.085	256.187	256.048	255.973E	255.888	256.088	256.052	2
3	256.032	256.043	256.083	256.134	256.117	256.086	256.191	256.045	255.970E	255.884	256.084	256.048	3
4	256.031	256.043	256.081	256.141	256.120	256.088	256.178	256.044	255.988E	255.884	256.083	256.041	4
5	256.031	256.042	256.080	256.143	256.123	256.088	256.183	256.039	255.985E	255.884	256.082	256.032	5
6	256.032	256.041	256.080	256.141	256.124	256.103	256.152	256.048	255.980E	255.883	256.082	256.030	6
7	256.033	256.041	256.088	256.140	256.121	256.114	256.141	256.042	255.958E	255.884	256.080	256.028	7
8	256.033	256.041	256.087	256.142	256.118	256.124	256.148	256.038	255.952E	255.884	256.080	256.028	8
9	256.033	256.040	256.087	256.147	256.117	256.178	256.220	256.037	255.948E	255.884	256.080	256.028	9
10	256.034	256.040	256.084	256.148	256.118	256.183	256.198	256.037	255.945E	255.883	256.080	256.026	10
11	256.033	256.041	256.083	256.145	256.118	256.145	256.188	256.034	255.942E	255.888	256.058	256.024	11
12	256.033	256.042	256.083	256.148	256.117	256.142	256.180	256.032	255.938E	255.888	256.058	256.025	12
13	256.034	256.042	256.082	256.148	256.122	256.148	256.173	256.030	255.938A	255.888	256.057	256.025	13
14	256.034	256.043	256.083	256.144	256.127	256.148	256.194	256.027	255.924	255.885	256.058	256.026	14
15	256.035	256.045	256.083	256.137	256.128	256.148	256.200	256.028A	255.923	255.888	256.058	256.028	15
16	256.035	256.080	256.084	256.135	256.118	256.147	256.189	256.025E	255.921	255.910	256.058	256.027	16
17	256.036	256.059	256.085	256.133	256.111	256.148	256.176	256.026A	255.917	255.908	256.058	256.030	17
18	256.037	256.060	256.084	256.133	256.105	256.147	256.162	256.022E	255.914	255.907	256.056	256.030	18
19	256.037	256.062	256.085	256.132	256.105	256.144	256.145	256.023E	255.908	255.922	256.052	256.029	19
20	256.038	256.062	256.086	256.132	256.107	256.138	256.129	256.019E	255.903	255.938	256.048	256.027	20
21	256.039	256.064	256.086	256.143	256.106	256.137	256.118	256.017E	255.905	255.948	256.044	256.025	21
22	256.039	256.065	256.088	256.141	256.105	256.140	256.108	256.013E	255.902	255.954	256.043	256.023	22
23	256.039	256.068	256.087	256.136	256.106	256.142	256.098	256.010E	255.894	255.956	256.044	256.023	23
24	256.040	256.071	256.087	256.127	256.105	256.148	256.087	256.005E	255.892	255.951	256.043	256.024	24
25	256.040	256.073	256.088	256.123	256.103	256.153	256.081	256.005E	255.888	255.951	256.044	256.024	25
26	256.040	256.073	256.078	256.118	256.100	256.157	256.077	255.998E	255.887	255.985	256.050	256.024	26
27	256.040	256.073	256.104	256.126	256.099	256.161	256.070	255.995E	255.884	255.983	256.058	256.024	27
28	256.042	256.073	256.118	256.126	256.098	256.168	256.063	255.991E	255.882	256.037	256.057	256.023	28
29	256.042	256.089	256.122	256.127	256.096	256.169	256.057	255.987E	255.880	256.063	256.057	256.023	29
30	256.042		256.137	256.121	256.095	256.181	256.055	255.983E	255.878	256.072	256.057	256.025	30
31	256.042		256.135		256.090		256.054	255.980E		256.081		256.024	31
MEAN	256.036	256.053	256.086	256.136	256.111	256.140	256.139	256.022	255.924	255.922	256.058	256.029	MEAN
MAX	256.042	256.073	256.137	256.148	256.127	256.183	256.220	256.052	255.977	256.081	256.074	256.055	MAX
MIN	256.031	256.040	256.052	256.118	256.090	256.085	256.054	255.980	255.878	255.883	256.043	256.023	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 256.083
MAXIMUM DAILY, 256.220 ON JUL 9
MINIMUM DAILY, 255.883 ON OCT 6
MAXIMUM INSTANTANEOUS,
256.225 AT 11:07 CST ON JUL 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 19 06 N
LONG 96 56 13 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STEEPROCK RIVER NEAR MAFEKING - STATION NO 05LF001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.857B	0.874B	4.40	8.55	3.84	2.24	1.05	3.56	---	---	1
2	---	---	0.857B	0.888B	4.40	8.00	3.63	2.18	1.06	4.77	---	---	2
3	---	---	0.857B	0.949B	4.47	8.50	3.53	2.11	1.12	8.37	---	---	3
4	---	---	0.857B	1.04 B	4.67	8.13	3.45	2.21	1.08	8.46	---	---	4
5	---	---	0.857B	1.18 B	4.85	4.82	3.44	2.17	1.08	8.47	---	---	5
6	---	---	0.857B	1.49 B	4.15	4.89	3.32	2.07	1.03	8.70	---	---	6
7	---	---	0.857B	1.83 B	3.74	30.0	3.32	2.00	1.24	8.02	---	---	7
8	---	---	0.857B	1.88	3.55	18.6	3.44	1.92	1.33	9.85	---	---	8
9	---	---	0.857B	2.58	3.88	16.0	3.15	1.88	1.33	7.13	---	---	9
10	---	---	0.857B	3.27	5.88	11.3	3.05	1.80	1.32	7.30	---	---	10
11	---	---	0.857B	3.84	12.0	8.87	3.03	1.75	1.31	8.32	---	---	11
12	---	---	0.857B	4.41	10.7	7.58	2.93	1.71	1.31	8.51	---	---	12
13	---	---	0.857B	4.07	8.48	6.83	3.11	1.72	1.32	4.87	---	---	13
14	---	---	0.857B	3.77	8.83	5.87	3.83	1.82	1.34	4.30	---	---	14
15	---	---	0.857B	3.81	8.95	5.47	4.04	1.87	1.31	3.88	---	---	15
16	---	---	0.857B	3.82	9.05	5.23	3.51	1.75	1.30	20.4	---	---	16
17	---	---	0.857B	4.95	31.4	5.53	3.22	1.80	1.28	15.2	---	---	17
18	---	---	0.857B	8.14	30.2	5.85	3.01	1.51	1.21	10.2	---	---	18
19	---	---	0.857B	8.78	18.4	5.05	2.80	1.47	1.13	8.18	---	---	19
20	---	---	0.857B	8.82	14.9	4.87	2.85	1.44	1.08	7.18	---	---	20
21	---	---	0.874B	8.85	14.2	5.89	2.81	1.44	1.58	8.19	---	---	21
22	---	---	0.892B	8.78	11.8	8.77	2.78	1.43	8.84	5.80	---	---	22
23	---	---	0.910B	8.00	10.5	7.70	2.72	1.38	5.80	5.18	---	---	23
24	---	---	0.873B	8.09	10.4	6.19	2.88	1.32	4.40	4.87	---	---	24
25	---	---	1.05 B	13.1	9.75	5.38	2.85	1.27	3.81	4.81	---	---	25
26	---	---	1.19 B	8.48	10.4	4.88	2.88	1.24	3.50	4.75	---	---	26
27	---	---	1.13 B	8.47	11.5	4.87	2.85	1.22	3.45	4.40	---	---	27
28	---	---	1.03 B	8.07	11.8	4.37	2.85	1.18	3.35	4.25B	---	---	28
29	---	---	0.848B	8.10	10.5	4.10	2.48	1.12	3.48	4.17B	---	---	29
30	---	---	0.819B	4.84	8.58	4.01	2.42	1.10	3.48	4.08B	---	---	30
31	---	---	0.802B		7.41		2.34	1.07		3.98B		---	31
TOTAL	---	---	27.986	133.926	306.14	226.09	95.19	50.43	85.42	195.87	---	---	TOTAL
MEAN	---	---	0.902	4.46	9.88	7.50	3.07	1.63	2.18	8.32	---	---	MEAN
MAX	---	---	1.19	13.1	31.4	30.0	4.04	2.24	8.84	20.4	---	---	MAX
MIN	---	---	0.857	0.888	3.88	4.01	2.34	1.07	1.03	3.88	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 4.48
MAXIMUM DAILY, 31.4 ON MAY 17
MINIMUM DAILY, 0.857B ON MAR 1
MAXIMUM INSTANTANEOUS,
49.1 AT 04:30 CST ON MAY 17

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 43 40 N
LONG 101 08 45 W
DRAINAGE AREA, 300 km²

B - ICE CONDITIONS

REGULATED SINCE 1988

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	8 220
FEB	---	AUG	4 350
MAR	2 420	SEP	8 650
APR	11 600	OCT	16 900
MAY	26 500	NOV	---
JUN	19 400	DEC	---

TOTAL DISCHARGE, 85 100 dam³

STEPHENFIELD RESERVOIR NEAR STEPHENFIELD - STATION NO. 05BF008

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	295.080	295.735	295.691	295.628	295.312	295.070	294.930	295.163	---	1
2	---	---	---	295.151	295.732	295.687	295.610	295.302	295.084	294.937	295.148	---	2
3	---	---	---	295.208	295.735	295.710	295.607	295.288	295.085	294.930	295.154	---	3
4	---	---	---	295.260	295.744	295.715	295.691	295.278	295.067	294.926	295.150	---	4
5	296.858A	---	---	295.308	295.758	295.707	295.674	295.272	295.037	294.933	295.150	---	5
6	---	---	---	295.358	295.757	295.705	295.662	295.282	295.027	294.944	295.152	---	6
7	---	---	---	295.405	295.752	295.720	295.648	295.288	295.021	294.953	295.152	295.196A	7
8	---	---	296.274A	295.448	295.748	295.753	295.648	295.298	295.017	294.957	295.154	---	8
9	---	---	---	295.482	295.736	295.767	295.641	295.278	295.011	294.957	295.154	---	9
10	---	---	---	295.513	295.744	295.744	295.638	295.287	295.008	294.952	295.158	---	10
11	---	---	---	295.548	295.736	295.727	295.622	295.280	294.998	294.955	295.158	---	11
12	---	---	---	295.600	295.737	295.724	295.607	295.268	295.028	294.955	295.158	---	12
13	---	---	---	295.662	295.736	295.716	295.496	295.242	295.042	294.955	295.158	295.188A	13
14	---	---	---	295.705	295.733	295.713	295.482	295.236	295.042	294.952	295.161	295.191	14
15	---	---	---	295.720	295.726	295.711	295.473	295.224	295.036	294.988	295.159	295.193	15
16	---	---	---	295.723	295.724	295.707	295.480	295.212	295.031	295.012	295.157	295.187	16
17	---	---	---	295.721	295.722	295.704	295.448	295.205	295.028	295.013	295.152	295.181	17
18	---	---	---	295.718	295.702	295.689	295.437	295.196	295.026	295.008	---	295.182	18
19	---	---	---	295.718	295.698	295.684	295.420	295.183	295.018	295.028	---	295.183	19
20	---	---	---	295.714	295.703	295.680	295.405	295.188	295.009	295.061	---	295.183	20
21	---	---	---	295.717	295.717	295.667	295.385	295.183	294.988	295.083	---	295.178	21
22	---	---	---	295.721	295.712	295.668	295.387	295.172	294.988	295.101	---	295.172	22
23	---	---	---	295.724	295.705	295.671	295.373	295.163	294.983	295.112	---	295.188	23
24	---	---	294.181A	295.726	295.703	295.681	295.361	295.157	294.973	295.115	---	295.185	24
25	---	---	---	295.727	295.687	295.656	295.354	295.153	294.988	295.119	---	295.182	25
26	---	---	---	295.724	295.693	295.653	295.344	295.145	294.984	295.122	---	295.158	26
27	---	---	---	295.740	295.687	295.654	295.335	295.135	294.998	295.142	---	295.158	27
28	---	---	---	295.751	295.683	295.651	295.327	295.126	294.955	295.148	---	295.154	28
29	---	---	294.821A	135.742	295.683	295.648	295.314	295.114	294.950	295.148	---	295.150	29
30	---		294.880	295.738	295.687	295.639	295.323	295.092	294.945	295.148	---	295.147	30
31	---		295.022		295.698		295.323	295.079		295.148		295.145	31
MEAN	---	---	---	295.578	295.721	295.694	295.458	295.212	295.010	295.026	---	---	MEAN
MAX	---	---	---	295.751	295.758	295.767	295.628	295.312	295.070	295.148	---	---	MAX
MIN	---	---	---	295.080	295.683	295.639	295.314	295.079	294.945	294.926	---	---	MIN

WATER LEVELS IN METRES

SUMMARY FOR THE YEAR 1984

MAXIMUM DAILY, 295.767 ON JUN 9

MAXIMUM INSTANTANEOUS,
295.775 AT 04 11 CST ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 37 N
LONG 98 16 48 W

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

STONY CREEK NEAR BROOMHILL - STATION NO. 05NE018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0	0	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0	0	0	0	0	---	---	22
23	---	---	0.0028	0	0	0	0	0	0	0	---	---	23
24	---	---	0.0108	0	0	0	0	0	0	0	---	---	24
25	---	---	0.023A	0	0	0	0	0	0	0	---	---	25
26	---	---	0.018	0	0	0	0	0	0	0	---	---	26
27	---	---	0.010	0	0	0	0	0	0	0	---	---	27
28	---	---	0.004	0	0	0	0	0	0	0	---	---	28
29	---	---	0.002	0	0	0	0	0	0	0	---	---	29
30	---		0.001	0	0	0	0	0	0	0	---	---	30
31	---		0		0		0	0		0		---	31
TOTAL	---	---	0.089	0	0	0	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.002	0	0	0	0	0	0	0	---	---	MEAN
MAX	---	---	0.022	0	0	0	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0
MAXIMUM DAILY, 0.023A ON MAR 25
MINIMUM DAILY, 00 ON MAR 1

SUMMARY FOR THE MONTHS MAR TO OCT

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 23 53 N
LONG 101 05 54 W
DRAINAGE AREA, 474 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	5.86	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 5.86 dam³

STURGEON CREEK AT ST. JAMES - STATION NO. 05NJ004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0078	2.30 B	0.153	0.084	0.587	0.007	0	0.002	---	---	1
2	---	---	0.0078	2.01 B	0.197	0.012	0.384	0.002	0	0.013	---	---	2
3	---	---	0.0078	1.73 A	0.178	0.004	0.261	0.002	0	0.009	---	---	3
4	---	---	0.0078	1.35 E	0.184	0.001	0.338	0.002	0.010	0.010	---	---	4
5	---	---	0.0078	0.988A	0.184	0.002	0.183	0.001	0.040	0.007	---	---	5
6	---	---	0.0078	0.698A	0.213	0.187	0.174	0.005	0.056	0.003	---	---	6
7	---	---	0.0078	0.503E	0.257	0.183	0.178	0.002	0.028	0.003	---	---	7
8	---	---	0.0078	0.506E	0.245	0.388	0.0886	0.002	0.002	0.003	---	---	8
9	---	---	0.0078	0.410E	0.138	0.113	0.028A	0.002	0.001	0.003	---	---	9
10	---	---	0.0068	0.313A	0.102	0.055	0.061	0.001	0.001	0.005	---	---	10
11	---	---	0.0068	0.388A	0.068	0.045	0.052	0.001	0.027	0.004	---	---	11
12	---	---	0.0068	0.394A	0.073	0.412	0.052	0.001	0.578	0.004	---	---	12
13	---	---	0.0068	0.278A	0.088	0.118	0.058	0.001	0.060	0.003	---	---	13
14	---	---	0.0068	0.264E	0.001	0.185	0.187	0.001	0.082	0.003	---	---	14
15	---	---	0.0068	0.218E	0.005	0.138	0.027	0.002	0.035	0.499	---	---	15
16	---	---	0.0488	0.165A	0.003	2.08	0.008	0.007	0.001	0.113	---	---	16
17	---	---	0.0858	0.141A	0.001	8.13	0.002	0.001	0.012	0.111	---	---	17
18	---	---	0.1258	0.128A	0.001	5.50	0.001	0.001	0.052	0.097	---	---	18
19	---	---	0.1648	0.129A	0.001	2.44	0.001	0.001	0.051	0.310	---	---	19
20	---	---	0.2048	0.137E	0.101	1.38	0.001	0.080	0.054	0.204	---	---	20
21	---	---	0.2438	0.145E	0.042	5.93	0.001	0.010	0.080	0.242	---	---	21
22	---	---	0.2838	0.154E	0.008	14.3	0.001	0.001	0.028	0.177	---	---	22
23	---	---	0.1618	0.162E	0.027	11.4 A	0.001	0.001	0.009	0.251	---	---	23
24	---	---	0.0388	0.170A	0.042	7.78	0.001	0.001	0.015	0.3318	---	---	24
25	---	---	0.0828	0.141A	0.010	5.05	0.003	0.001	0.063	0.2598	---	---	25
26	---	---	0.1458	0.188	0.008	3.81	0.009	0.003	0.050	0.2248	---	---	26
27	---	---	0.3288	0.387	0.058	2.85	0.002	0.001	0.038	0.2958	---	---	27
28	---	---	1.05 B	0.187	0.034	1.84	0.001	0.001	0.034	0.1578	---	---	28
29	---	---	1.75 B	0.173	0.002	0.983	0.001	0	0.013	0.1678	---	---	29
30	---	---	2.20 B	0.139	0.002	0.656	0.042	0	0.002	0.1448	---	---	30
31	---	---	2.64 B		0.007		0.017	0		0.1328		---	31
TOTAL	---	---	9.884	14.914	2.373	75.554	2.833	0.122	1.462	3.796	---	---	TOTAL
MEAN	---	---	0.312	0.497	0.077	2.52	0.082	0.004	0.049	0.122	---	---	MEAN
MAX	---	---	2.64	2.30	0.257	14.3	0.457	0.080	0.578	0.499	---	---	MAX
MIN	---	---	0.008	0.128	0.001	0.001	0.001	0	0	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.451
MAXIMUM DAILY, 14.3 ON JUN 22
MINIMUM DAILY, 0 ON AUG 28
MAXIMUM INSTANTANEOUS,
25.5 AT 15:10 CST ON JUN 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 52 52 N
LONG 97 16 43 W
DRAINAGE AREA, 572 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	219
FEB	---	AUG	10.5
MAR	835	SEP	126
APR	1 290	OCT	326
MAY	205	NOV	---
JUN	2 530	DEC	---

TOTAL DISCHARGE, 9 540 dam³

STURGEON CREEK NEAR PERIMETER HIGHWAY - STATION NO 05NJ011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.0048	1.84 B	0.078	0.007	0.583	0	0.005	0.018	---	---	1
2	---	---	0.0048	1.68 B	0.084	0.004	0.478	0	0.010	0.004	---	---	2
3	---	---	0.0048	1.56 B	0.083	0.008	0.420	0	0.012	0.002	---	---	3
4	---	---	0.0048	1.33 B	0.108	0.012	0.383	0	0.023	0.018	---	---	4
5	---	---	0.0058	0.884	0.120	0	0.314	0	0.049	0.028	---	---	5
6	---	---	0.0058	0.704	0.152	0.015	0.275	0	0.078	0.010	---	---	6
7	---	---	0.0058	0.511	0.188	0.084	0.255	0	0.088	0.004	---	---	7
8	---	---	0.0058	0.395	0.134	0.088	0.219	0	0.085	0.007	---	---	8
9	---	---	0.0058	0.350	0.021	0.084	0.182	0	0.082	0.007	---	---	9
10	---	---	0.0058	0.285	0.015	0.055	0.160	0	0.084	0.013	---	---	10
11	---	---	0.0058	0.245	0.008	0.050	0.135	0	0.078	0.081	---	---	11
12	---	---	0.0058	0.214	0.032	0.041	0.140	0	0.083	0.078	---	---	12
13	---	---	0.0058	0.177	0.033	0.088	0.129	0	0.108	0.055	---	---	13
14	---	---	0.0058	0.117	0.060	0.067	0.100	0	0.062	0.052	---	---	14
15	---	---	0.0058	0.083	0.090	0.072	0.085	0	0.021	0.085	---	---	15
16	---	---	0.0085	0.027	0.062	0.107	0.058	0	0.032	0.220	---	---	16
17	---	---	0.0118	0	0.012	5.56	0.048	0.002	0.023	0.122	---	---	17
18	---	---	0.0138	0.011	0.001	2.80	0.033	0.030	0.021	0.075	---	---	18
19	---	---	0.0188	0.135	0.017	1.64	0.012	0.055	0.018	0.118	---	---	19
20	---	---	0.0198	0.613	0.046	1.09	0.017	0.084	0.014	0.288	---	---	20
21	---	---	0.0228	0.381	0.065	1.30	0.007	0.055	0.038	0.387	---	---	21
22	---	---	0.0248	0.180	0.053	9.47	0	0.054	0.027	0.245	---	---	22
23	---	---	0.0278	0.106	0.038	7.36	0	0.053	0.001	0.400	---	---	23
24	---	---	0.0308	0.074	0.007	4.48	0	0.057	0.008	0.384	---	---	24
25	---	---	0.0448	0.048	0.028	2.72	0	0.055	0.010	0.309	---	---	25
26	---	---	0.1708	0.005	0.012	2.05	0	0.048	0.010	0.236	---	---	26
27	---	---	0.7818	0.022	0.037	1.73	0	0.022	0.018	0.1618	---	---	27
28	---	---	1.56 B	0.071	0.038	1.11	0	0.003	0.030	0.1578	---	---	28
29	---	---	1.68 B	0.110	0.048	0.848	0	0.002	0.043	0.1338	---	---	29
30	---	---	2.10 B	0.068	0.035	0.698	0	0	0.035	0.1098	---	---	30
31	---	---	2.01 B		0.028		0	0		0.0858		---	31
TOTAL	---	---	8.898	12.832	1.748	43.884	3.898	0.521	1.107	3.784	---	---	TOTAL
MEAN	---	---	0.277	0.431	0.056	1.48	0.126	0.017	0.037	0.122	---	---	MEAN
MAX	---	---	2.10	1.56	0.188	9.47	0.583	0.087	0.108	0.400	---	---	MAX
MIN	---	---	0.004	0	0.001	0	0	0	0.001	0.002	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.312
MAXIMUM DAILY, 9.47 ON JUN 22
MINIMUM DAILY, 0 ON APR 17
MAXIMUM INSTANTANEOUS,
11.1 AT 14:31 CST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 20 N
LONG 97 20 40 W
DRAINAGE AREA, 841 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	348
FEB	---	AUG	46.0
MAR	743	SEP	95.8
APR	1 120	OCT	327
MAY	151	NOV	---
JUN	3 770	DEC	---

TOTAL DISCHARGE, 8 890 dam³

SWAN (PEMBINA) LAKE NEAR SWAN LAKE - STATION NO 05OD010

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	0.883	0.883	0.868	0.841	0.410	0.284	---	---	---	1
2	---	---	---	0.885	0.886	0.834	0.829	0.410	0.283	---	---	---	2
3	---	---	---	0.887	0.888	0.830	0.827	0.406	0.288	---	---	---	3
4	---	---	---	0.893	0.888	0.833	0.818	0.389	0.287	---	---	---	4
5	---	---	---	0.899	0.880	0.835	0.810	0.388	0.287	---	---	---	5
6	---	---	---	0.904	0.881	0.840	0.805	0.389	0.288	---	---	---	6
7	---	---	---	0.908	0.885	0.883	0.807	0.387	0.248	---	---	---	7
8	---	---	---	0.912	0.885	0.883	0.810	0.383	0.244	---	---	---	8
9	---	---	---	0.918	0.888	0.881	0.806	0.378	0.248	---	---	---	9
10	---	---	---	0.920	0.887	0.888	0.802	0.377	0.247	0.248A	---	---	10
11	---	---	---	0.831	0.882	0.887	0.887	0.378	0.248	0.287	---	---	11
12	---	---	---	0.843	0.884	0.886	0.886	0.378	0.288	0.258	---	---	12
13	---	---	---	0.882	0.871	0.824	0.804	0.376	0.268	0.248	---	---	13
14	---	---	---	0.848	0.878	0.882	0.888	0.388	0.287	0.248	---	---	14
15	---	---	---	0.847	0.886	0.802	0.878	0.388	0.287	0.241A	---	---	15
16	---	---	---	0.848	0.880	0.883	0.872	0.382	0.287	---	---	---	16
17	---	---	---	0.848	0.888	0.884	0.886	0.387	0.288	---	---	---	17
18	---	---	---	0.848	0.884	0.842	0.883	0.381	0.281A	---	---	---	18
19	---	---	---	0.846	0.883	0.835	0.855	0.347	---	---	---	---	19
20	---	---	---	0.842	0.878	0.828	0.853	0.338	---	---	---	---	20
21	---	---	---	0.838	0.884	0.819	0.848	0.328	---	---	---	---	21
22	---	---	---	0.834	0.881	0.811	0.839	0.332	---	---	---	---	22
23	---	---	---	0.830	0.885	0.895	0.834	0.328	---	---	---	---	23
24	---	---	---	0.824	0.882	0.889	0.832	0.323	---	---	---	---	24
25	---	---	---	0.815	0.879	0.883	0.837	0.319	---	---	---	---	25
26	---	---	---	0.825	0.878	0.878	0.825	0.312	---	---	---	---	26
27	---	---	---	0.843	0.878	0.872	0.821	0.301	---	---	---	---	27
28	---	---	---	0.843	0.872	0.888	0.816	0.288	---	0.280A	---	---	28
29	---	---	0.848A	0.854	0.888	0.880	0.812	0.287	---	0.262A	---	---	29
30	---		0.874A	0.855	0.885	0.849	0.818	0.288	---	---	---	---	30
31	---		0.878		0.885		0.818	0.288		---		---	31
MEAN	---	---	---	0.827	0.887	0.827	0.872	0.351	---	---	---	---	MEAN
MAX	---	---	---	0.885	0.890	0.888	0.841	0.410	---	---	---	---	MAX
MIN	---	---	---	0.882	0.852	0.849	0.812	0.288	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 21 20 N
LONG 98 54 00 W

A - MANUAL GAUGE

MAXIMUM DAILY, 0.890 ON MAY 15

MAXIMUM INSTANTANEOUS,
0.729 AT 00 38 CST ON MAY 24

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

SWAN LAKE NEAR NOVRA - STATION NO 05LE007

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	258.587	---	259.258A	258.583	259.530	259.175	258.884	258.738	---	---	1
2	---	---	258.583	---	259.261	259.545	259.548	259.186	258.858	258.700	---	---	2
3	---	---	258.584	---	259.278	259.570	259.509	259.147	258.844	258.781	---	---	3
4	---	---	258.583	258.703A	259.286	259.589	259.487	259.134	258.835	258.770	---	---	4
5	---	---	258.587	258.720	259.294	259.592	259.510	259.112	258.887	258.775	---	---	5
6	---	---	258.588	258.731	259.273	259.585	259.522	259.112	258.885	258.737	---	---	6
7	---	---	258.587	258.748	259.278	259.600	259.526	259.100	258.832	258.735	---	---	7
8	---	---	258.583	258.774	259.288	259.602	259.472	259.083	258.785	258.739	---	---	8
9	---	---	258.585	258.788	259.322	259.605	259.483	259.053	258.800	258.730	---	---	9
10	---	---	258.589	258.807	259.325	259.612	259.493	259.092	258.787	258.784	---	---	10
11	---	---	258.581	258.828	259.324	259.627	259.434	259.083	258.821	258.744	---	---	11
12	---	---	258.587	258.847	259.349	259.604	259.432	259.026	258.836	258.785	---	---	12
13	---	---	258.598	258.884	259.358	259.600	259.431	259.028	258.788	258.728	---	---	13
14	---	---	258.581	258.904	259.373	259.601	259.353	258.981	258.798	258.718	---	---	14
15	---	---	258.584	258.948	259.417	259.600	259.380	259.008	258.808	258.832	---	---	15
16	---	---	258.581	258.986	259.395	259.587	259.347	259.022	258.808	258.820	---	---	16
17	---	---	258.582	259.018	259.353	259.591	259.388	258.993	258.793	258.770	---	---	17
18	---	---	258.578	---	259.342	259.587	259.324	258.995	258.748	258.778	---	---	18
19	---	---	258.578	---	259.367	259.582	259.327	258.980	258.881	258.730	---	---	19
20	---	---	258.578	---	259.415	259.807	259.351	258.948	258.733	258.748	---	---	20
21	---	---	258.573	---	259.385	259.584	259.302	258.930	258.808	258.743	---	---	21
22	---	---	258.574	---	259.395	259.583	259.258	258.980	258.873	258.770	---	---	22
23	---	---	258.578	---	259.431	259.581	259.288	258.982	258.714	258.788	---	---	23
24	---	---	---	---	259.483	259.589	259.282	258.881	258.788	258.781	---	---	24
25	---	---	---	---	259.477	259.602	259.238	258.942	258.787	258.837	---	---	25
26	---	---	---	---	259.486	259.581	259.240	258.828	258.738	258.785	---	---	26
27	---	---	---	---	259.504	259.584	259.232	258.828	258.726	258.781	---	---	27
28	---	---	---	---	259.522	259.618	259.224	258.800	258.747	258.771	---	---	28
29	---	---	---	---	259.543	259.618	259.209	258.833	258.782	258.773	---	---	29
30	---		---	---	259.556	259.583	259.178	258.778	258.782	258.778	---	---	30
31	---		---		259.558		259.184	258.884		258.778A		---	31
MEAN	---	---	---	---	259.384	259.604	259.387	259.004	258.787	258.783	---	---	MEAN
MAX	---	---	---	---	259.558	259.821	259.580	259.178	258.885	258.837	---	---	MAX
MIN	---	---	---	---	259.286	259.585	259.184	258.778	258.873	258.832	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 32 00 N
LONG 100 52 00 W

A - MANUAL GAUGE

MAXIMUM DAILY, 259.627 ON JUN 11

MAXIMUM INSTANTANEOUS,
259.862 AT 17:58 CST ON JUN 29

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1982 ADJ.)

DRAINAGE AREA,
9 750 km²

SWAN RIVER NEAR MINITONAS - STATION NO 05LE005

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.9548	0.8288	0.8178	39.58	31.5	43.7	11.4	1.24	0.284	1.63	0.9858	1.41 B	1
2	0.9368	0.8628	0.8218	44.88	30.5	39.9	10.1	1.17	0.284	1.42	0.9538	1.41 B	2
3	0.9528	0.8528	0.8378	42.28	28.9	35.2	9.07	1.07	0.291	1.34	0.9218	1.34 B	3
4	0.9308	0.9318	0.7868	41.68	27.5	30.1	8.10	1.11	0.440	1.32	0.8888	1.35 B	4
5	0.8828	0.7308	0.7588	41.18	26.0	25.3	7.19	1.44	0.435	1.26	0.8568	1.30 B	5
6	0.7118	0.7438	0.7338	40.5	24.2	21.9	5.37	1.11	0.380	1.25	0.8248	1.25 B	6
7	0.7958	0.8458	0.8758	38.8	23.0	21.2	5.95	1.13	0.435	1.18	0.8308	1.27 B	7
8	1.06 B	0.7278	0.8088	36.5	21.4	22.0	5.20	1.18	0.434	1.21	0.7728	1.35 B	8
9	0.8408	0.8438	0.8318	33.2	19.3	26.7	4.53	0.883	0.406	1.21	0.7488	1.28 B	9
10	0.8748	0.8848	0.8938	33.8	18.8	32.7	4.11	0.841	0.408	1.20	0.7478	1.26 B	10
11	0.8118	0.7898	0.8228	33.8	18.2	36.0	3.82	0.873	0.401	1.26	0.8838	1.18 B	11
12	0.7898	0.8268	0.4748	36.8	18.4	36.8	3.53	0.884	0.510	1.26	0.8588	1.10 B	12
13	0.7958	0.8938	0.4338	38.5	20.2	36.4	3.37	0.882	0.838	1.45	0.8478	0.8848	13
14	0.8798	0.8488	0.4088	41.2	22.5	35.2	3.07	0.887	0.821	1.54	0.8968	0.8848	14
15	0.9818	0.8508	0.4188	43.2	23.5	33.3	2.96	0.876	0.724	1.48	0.9288	0.8218	15
16	0.4448	0.9898	0.4258	44.1	24.1	30.3	2.84	0.888	0.893	1.90	0.8778	0.9198	16
17	0.6188	1.09 B	0.4388	43.9	23.8	28.4	2.61	0.778	0.840	1.93	0.8078	0.8008	17
18	0.4078	1.12 B	0.4798	42.6	24.1	22.3	2.50	0.713	0.735	1.88	0.9218	0.8728	18
19	0.3938	1.43 B	0.5938	40.4	28.6	20.7	2.36	0.747	0.821	1.78	0.8908	0.7788	19
20	0.3818	1.83 B	0.6888	37.4	35.6	20.6	2.39	0.781	0.523	2.00	0.9228	0.8818	20
21	0.3638	2.56 B	0.8128	33.1	38.6	20.0	2.50	0.893	0.617	2.59	0.8628	0.7328	21
22	0.3108	3.41 B	0.8038	27.9	40.4	20.9	2.47	0.828	1.28	3.31	0.8298	0.7488	22
23	0.3138	1.44 B	1.12 B	24.2	41.7	23.3	2.32	0.806	1.38	3.02	0.8138	0.7638	23
24	0.4218	1.08 B	1.40 B	22.4	45.0	26.3	2.26	0.810	1.40	2.86	0.8128	0.7388	24
25	0.4828	0.9198	1.78 B	21.2	48.3	25.8	2.11	0.838	1.70	2.67	0.7738	0.7108	25
26	0.9478	0.8728	5.61 B	20.3	51.8	21.2	1.98	0.678	1.40	2.298	0.8098	0.7328	26
27	0.8038	0.8368	18.2 e	22.7	52.7	18.1	1.87	0.665	1.38	1.948	1.19 B	0.7008	27
28	0.8988	0.8318	32.5 B	26.2	51.8	16.1	1.75	0.388	2.37	1.618	1.10 B	0.7188	28
29	0.7888	0.8138	32.5 B	26.3	51.2	14.1	1.58	0.334	1.85	1.318	1.10 B	0.7048	29
30	0.8458		32.5 B	30.3	49.8	12.8	1.43	0.282	1.72	1.058	1.18 B	0.8858	30
31	0.8818		27.5 B		47.4		1.29	0.287		1.028		0.7588	31
TOTAL	19.218	29.782	178.398	1 048.3	1 010.1	786.9	123.09	22.997	25.320	53.48	28.134	30.320	TOTAL
MEAN	0.620	1.03	5.75	34.9	32.6	26.2	3.97	M.742	0.844	1.73	0.971	0.978	MEAN
MAX	1.06	3.56	32.5	44.8	52.7	43.7	11.4	1.44	2.37	3.31	1.19	1.41	MAX
MIN	0.310	0.962	0.408	20.3	18.2	12.8	1.29	M.287	0.284	1.02	0.847	0.881	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 9.18
MAXIMUM DAILY, 52.7 ON MAY 27
MINIMUM DAILY, 0.284 ON SEP 3
MAXIMUM INSTANTANEOUS,
52.9 AT 13 40 CST ON MAY 27

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 11 47 N
LONG 101 03 37 W
DRAINAGE AREA, 4 220 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 880	JUL	10 800
FEB	2 670	AUG	1 880
MAR	15 400	SEP	2 180
APR	90 400	OCT	4 620
MAY	87 300	NOV	2 280
JUN	68 000	DEC	2 620

TOTAL DISCHARGE, 280 000 dam³

TAYLOR RIVER NEAR THOMPSON - STATION NO 05TC002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.9198	0.7228	0.8888	0.8478	24.3	12.8	7.87	3.77	2.12	7.75	6.438	2.858	1
2	0.9118	0.7168	0.8888	0.8478	24.1	11.9	7.14	3.51	1.80	7.74	6.188	2.588	2
3	0.8988	0.7188	0.8858	0.8478	24.4	11.5	6.61	3.28	1.67	7.69	5.988	2.528	3
4	0.8908	0.7148	0.8858	0.8478	24.4	11.0	6.31	3.08	1.62	7.47	5.788	2.488	4
5	0.8828	0.7148	0.8828	0.8478	24.0	10.6	6.07	2.99	1.54A	7.34	5.588	2.408	5
6	0.8898	0.7098	0.8828	0.8478	23.4	10.2	5.84	3.03	1.68A	7.37	5.388	2.358	6
7	0.8818	0.7058	0.8598	0.8718	22.7	10.1	5.35	2.99	1.53A	7.26	5.218	2.308	7
8	0.8528	0.7058	0.8588	0.7228	21.9	11.7	5.43	3.16	4.20A	7.11	5.048	2.258	8
9	0.8448	0.7018	0.8598	0.7988	21.4	12.6	5.38	3.31	7.38A	7.08	4.878	2.208	9
10	0.8368	0.6978	0.8598	0.8118	21.0	12.9	5.20	3.42	7.68A	7.10	4.708	2.158	10
11	0.8278	0.8978	0.8568	1.34 B	20.4	12.2	4.82	3.20	7.67A	6.98	4.598	2.118	11
12	0.8238	0.8938	0.8568	2.63 B	20.3	11.5	4.53	3.01	7.77	6.87	4.478	2.078	12
13	0.8198	0.8938	0.8568	3.90 B	19.9	11.0	4.28	2.78	7.94	6.87	4.358	2.048	13
14	0.8108	0.8888	0.8538	4.20 B	19.3	10.4	4.33	2.57	8.08	6.88	4.228	2.018	14
15	0.8068	0.8848	0.8538	4.50 B	18.6	9.88	5.15	2.48	7.97	6.86	4.088	1.988	15
16	0.7988	0.8848	0.8538	4.70 B	18.1	9.72	5.41	2.31	7.73	6.89	3.988	1.958	16
17	0.7898	0.8848	0.8538	5.16 B	17.6	9.05	5.49	2.16	7.59	7.29	3.858	1.928	17
18	0.7858	0.8808	0.8508	7.36 B	17.5	9.84	5.47	2.09	7.53	8.81	3.748	1.908	18
19	0.7818	0.8808	0.8508	10.4 B	17.0	10.6	5.31	1.96	7.29	9.35	3.658	1.878	19
20	0.7778	0.8808	0.8508	14.3 E	16.4	10.8	5.07	1.92	7.20	9.58	3.588	1.838	20
21	0.7728	0.8778	0.8508	21.3 E	16.6	10.2	4.94	2.06	7.15	9.57	3.488	1.818	21
22	0.7648	0.8778	0.8508	33.2 A	17.0	11.8	4.98	2.11	7.00	9.44	3.388	1.788	22
23	0.7608	0.8778	0.8508	33.8	17.5	12.0	4.98	2.03	7.59	9.45	3.288	1.758	23
24	0.7568	0.8748	0.8508	34.3	17.4	11.5	4.79	1.84	7.82	8.888	3.188	1.728	24
25	0.7518	0.8748	0.8508	34.5	18.9	10.9	4.68	1.71	7.85	8.438	3.108	1.708	25
26	0.7438	0.8718	0.8508	34.9	18.2	10.4	4.71	1.95	7.84	8.108	3.018	1.688	26
27	0.7388	0.8718	0.8508	34.5	15.4	9.71	4.73	2.10	7.85	7.788	2.948	1.668	27
28	0.7358	0.8718	0.8508	33.8	14.8	9.14	4.70	2.04	7.88	7.488	2.878	1.648	28
29	0.7308	0.8688	0.8508	30.8	14.1	8.88	4.61	2.09	7.90	7.178	2.808	1.628	29
30	0.7258		0.8508	28.1	13.8	8.20	4.30	2.42	7.87	6.898	2.718	1.608	30
31	0.7228		0.8508		13.0		4.05	2.44		6.678		1.588	31
TOTAL	24.874	20.028	26.368	298.884	589.3	322.05	161.92	79.86	184.96	238.89	126.30	62.08	TOTAL
MEAN	0.802	0.851	0.885	9.96	19.0	10.7	5.22	2.56	6.17	7.74	4.21	2.00	MEAN
MAX	0.919	0.722	0.888	34.5	24.4	12.8	7.87	3.77	8.08	9.81	6.43	2.85	MAX
MIN	0.722	0.688	0.850	0.847	13.0	8.20	4.05	1.71	1.53	6.88	2.71	1.58	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 5.82
MAXIMUM DAILY, 34.9 ON APR 25
MINIMUM DAILY, 0.8478 ON APR 1

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 55 29 20 N
LONG 98 11 10 W
DRAINAGE AREA, 883 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	2 180	JUL	10 000
FEB	1 730	AUG	6 800
MAR	1 750	SEP	16 600
APR	25 800	OCT	20 700
MAY	50 800	NOV	10 800
JUN	37 800	DEC	5 380

TOTAL DISCHARGE, 184 000 dam³

TOBACCO CREEK NEAR ROSEBANK - STATION NO. 05OF018

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0788	0.010	0.028	0	0	0	0	---	---	1
2	---	---	0 B	0.0889	0.012	0.013	0	0	0	0	---	---	2
3	---	---	0 B	0.0528	0.009	0.001	0	0	0	0	---	---	3
4	---	---	0 B	0.0458	0.009	0.001	0	0	0	0	---	---	4
5	---	---	0 B	0.049	0.134	0	0	0	0	0	---	---	5
6	---	---	0 B	0.043	0.290	0.003	0	0	0	0	---	---	6
7	---	---	0 B	0.037	0.289	0.008	0	0	0	0	---	---	7
8	---	---	0 B	0.035	0.203	0.010	0	0	0	0	---	---	8
9	---	---	0 B	0.034	0.148	0.011	0	0	0	0	---	---	9
10	---	---	0 B	0.036	0.091	0.038	0	0	0	0	---	---	10
11	---	---	0 B	0.036	0.075	0.152	0	0	0	0	---	---	11
12	---	---	0 B	0.037	0.085	0.131	0	0	0	0	---	---	12
13	---	---	0 B	0.032	0.082	0.098	0	0	0	0	---	---	13
14	---	---	0 B	0.035	0.045	0.083	0	0	0	0	---	---	14
15	---	---	0 B	0.061	0.039	0.074	0	0	0	0	---	---	15
16	---	---	0 B	0.037	0.032	0.043	0	0	0	0	---	---	16
17	---	---	0 B	0.025	0.022	0.023	0	0	0	0	---	---	17
18	---	---	0 B	0.010	0.011	0.024	0	0	0	0	---	---	18
19	---	---	0 B	0.004	0.008	0.015	0	0	0	0	---	---	19
20	---	---	0 B	0.001	0.009	0.001	0	0	0	0	---	---	20
21	---	---	0 0018	0	0.020	0.008	0	0	0	0B	---	---	21
22	---	---	0 0018	0	0.026	0.026	0	0	0	0B	---	---	22
23	---	---	0 0028	0	0.053	0.013	0	0	0	0B	---	---	23
24	---	---	0 0028	0	0.057	0.006	0	0	0	0B	---	---	24
25	---	---	0 B	0	0.058	0.009	0	0	0	0B	---	---	25
26	---	---	0 B	0	0.034	0.028	0	0	0	0B	---	---	26
27	---	---	0 0018	0	0.026	0.013	0	0	0	0B	---	---	27
28	---	---	0 1248	0.021	0.025	0.002	0	0	0	0B	---	---	28
29	---	---	0 1988	0.054	0.017	0	0	0	0	0B	---	---	29
30	---		0 1388	0.038	0.042	0	0	0	0	0B	---	---	30
31	---		0 0768		0.045		0	0		0B		---	31
TOTAL	---	---	0 833	0.923	1 874	0.889	0	0	0	0	---	---	TOTAL
MEAN	---	---	0 020	0 031	0 084	0 029	0	0	0	0	---	---	MEAN
MAX	---	---	0 193	0 096	0 350	0 183	0	0	0	0	---	---	MAX
MIN	---	---	0	0	0 009	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 018
MAXIMUM DAILY, 0 350 ON MAY 8
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0 7148 AT 22 17 CST ON MAR 27

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 27 00 N
LONG 98 09 45 W
DRAINAGE AREA, 107 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	53 8	SEP	0
APR	79 7	OCT	0
MAY	171	NOV	---
JUN	76 1	DEC	---

TOTAL DISCHARGE, 380 dam³

TOUROND CREEK NEAR TOUROND - STATION NO 05OE009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	1 15 B	0 148	0 003	0 106	0 001	0	0	---	---	1
2	---	---	0 B	1 10 B	0 125	0 003	0 090	0 011	0	0	---	---	2
3	---	---	0 B	0 3718	0 104	0 002	0 076	0 077	0	0	---	---	3
4	---	---	0 B	0 1458	0 087	0 002	0 068	0 057	0	0	---	---	4
5	---	---	0 B	0 1808	0 074	0 002	0 062	0 028	0	0	---	---	5
6	---	---	0 B	0 2688	0 085	0 484	0 055	0 018	0	0	---	---	6
7	---	---	0 B	0 3498	0 054	0 383	0 045	0 011	0	0	---	---	7
8	---	---	0 B	0 241	0 044	1 05	0 050	0 007	0	0	---	---	8
9	---	---	0 B	0 348	0 040	3 58	0 050	0 007	0	0	---	---	9
10	---	---	0 B	0 244	0 035	2 52	0 057	0 005	0	0	---	---	10
11	---	---	0 B	0 222	0 027	1 37	0 128	0 003	0	0	---	---	11
12	---	---	0 B	0 219	0 022	1 03	0 120	0 001	0	0	---	---	12
13	---	---	0 B	0 207	0 022	3 23	0 113	0 001	0	0	---	---	13
14	---	---	0 B	0 179	0 021	1 47	0 103	0 001	0	0	---	---	14
15	---	---	0 B	0 135	0 021	0 938	0 086	0	0	0	---	---	15
16	---	---	0 B	0 105	0 019	0 659	0 068	0	0	0	---	---	16
17	---	---	0 B	0 083	0 012	1 23	0 078	0	0	0	---	---	17
18	---	---	0 B	0 074	0 007	1 46	0 085	0	0	0	---	---	18
19	---	---	0 B	0 087	0 005	0 796	0 046	0	0	0 002	---	---	19
20	---	---	0 B	0 058	0 005	0 240	0 032	0	0	0 007	---	---	20
21	---	---	0 0018	0 051	0 009	0 141	0 022	0	0	0 010	---	---	21
22	---	---	0 1508	0 042	0 013	0 126	0 017	0	0	0 007	---	---	22
23	---	---	0 4008	0 035	0 014	0 118	0 014	0	0	0 004	---	---	23
24	---	---	0 8008	0 028	0 016	0 108	0 013	0	0	0 003	---	---	24
25	---	---	2 50 B	0 024	0 018	0 095	0 011	0	0	0 002	---	---	25
26	---	---	2 00 B	0 023	0 013	0 108	0 008	0	0	0 001	---	---	26
27	---	---	1 60 B	0 037	0 012	0 286	0 004	0	0	0 001	---	---	27
28	---	---	1 33 B	0 065	0 011	1 18	0 001	0	0	0 0038	---	---	28
29	---	---	1 38 B	0 184	0 009	0 358	0 001	0	0	0 0058	---	---	29
30	---		1 54 B	0 188	0 008	0 133	0 001	0	0	0 0048	---	---	30
31	---		1 46 B		0 004		0 001	0		0 0038		---	31
TOTAL	---	---	13.261	6 393	1 058	22.102	1 819	0.226	0	0.052	---	---	TOTAL
MEAN	---	---	0 428	0 213	0 034	0 740	0 053	0 007	0	0 002	---	---	MEAN
MAX	---	---	2 50	1 19	0 148	3 58	0 128	0 077	0	0 010	---	---	MAX
MIN	---	---	0	0 023	0 004	0 002	0 001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 183
MAXIMUM DAILY, 3 58 ON JUN 9
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
4 36 AT 05 02 CST ON JUN 9

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 31 50 N
LONG 98 58 50 W
DRAINAGE AREA, 237 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	140
FEB	---	AUG	19 7
MAR	1 150	SEP	0
APR	553	OCT	4 49
MAY	81 4	NOV	---
JUN	1 920	DEC	---

TOTAL DISCHARGE, 3 890 dam³

TRURO CREEK AT WESTERN AIRPORT BOUNDARY - STATION NO. 05MJ009

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0	0	0	0.104	0	0	0	---	---	1
2	---	---	0 B	0	0	0	0.063	0	0	0	---	---	2
3	---	---	0 B	0	0	0	0.033	0	0	0	---	---	3
4	---	---	0 B	0	0	0	0.012	0	0	0	---	---	4
5	---	---	0 B	0	0	0	0.008	0	0	0	---	---	5
6	---	---	0 B	0	0	0	0.001	0	0	0	---	---	6
7	---	---	0 B	0	0	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0	0	0.054	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0.229	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0.154	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0.068	0	0	0	0	---	---	20
21	---	---	0 B	0	0	0.210	0	0	0	0	---	---	21
22	---	---	0 B	0	0	0.798	0	0	0	0	---	---	22
23	---	---	0.0038	0	0	0.764	0	0	0	0	---	---	23
24	---	---	0.0108	0	0	0.595	0	0	0	0	---	---	24
25	---	---	0.0018	0	0	0.580	0	0	0	0	---	---	25
26	---	---	0.0018	0	0	0.484	0	0	0	0	---	---	26
27	---	---	0.001	0	0	0.398	0	0	0	0	---	---	27
28	---	---	0.001	0	0	0.298	0	0	0	08	---	---	28
29	---	---	0.001	0	0	0.233	0	0	0	08	---	---	29
30	---		0.001	0	0	0.158	0	0	0	08	---	---	30
31	---		0.001		0		0	0		08		---	31
TOTAL	---	---	0.020	0	0	5.165	0.221	0	0	0	---	---	TOTAL
MEAN	---	---	0.001	0	0	0.172	0.007	0	0	0	---	---	MEAN
MAX	---	---	0.010	0	0	0.798	0.104	0	0	0	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.022
MAXIMUM DAILY, 0.798 ON JUN 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
0.843 AT 19:11 CST ON JUN 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 54 34 N
LONG 97 15 50 W
DRAINAGE AREA, 11.4 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	19.1
FEB	---	AUG	0
MAR	1.73	SEP	0
APR	0	OCT	0
MAY	0	NOV	---
JUN	446	DEC	---

TOTAL DISCHARGE, 467 dam³

TRURO CREEK NEAR ASSINIBOINE GOLF COURSE - STATION NO. 05MJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0588	0.024	0.033	0.098	0.005	0	0.008E	---	---	1
2	---	---	0 B	0.0418	0.020	0.017	0.077	0.001	0	0.005E	---	---	2
3	---	---	0 B	0.0218	0.017	0.020	0.058	0.001	0	0.003A	---	---	3
4	---	---	0 B	0.0208	0.013	0.008	0.051	0.001	0	0.004	---	---	4
5	---	---	0 B	0.0218	0.015	0.010	0.043	0.001	0	0.001	---	---	5
6	---	---	0 B	0.021	0.015	0.082	0.037	0.002	0	0.008	---	---	6
7	---	---	0 B	0.021	0.015	0.100	0.034	0.001	0	0.007	---	---	7
8	---	---	0 B	0.008	0.015	0.390	0.035	0.001	0.005	0.001	---	---	8
9	---	---	0 B	0.003	0.005	0.120	0.025	0.005	0.001	0.001	---	---	9
10	---	---	0 B	0.005	0.008	0.040	0.018	0.005	0.001	0.001	---	---	10
11	---	---	0 B	0.040	0.005	0.029	0.013	0.001	0.001	0.001	---	---	11
12	---	---	0 B	0.084	0.005	0.174	0.007	0.001	0.502	0.001	---	---	12
13	---	---	0 B	0.035	0.023	0.105	0.021	0.001	0.040	0.001	---	---	13
14	---	---	0 B	0.023	0.013	0.036	0.128	0.001	0.005	0.001	---	---	14
15	---	---	0 B	0.020	0.005	0.025	0.025	0.001	0.001	0.547	---	---	15
16	---	---	0 B	0.018	0.004	0.213	0.018	0.001	0.002	0.231	---	---	16
17	---	---	0 B	0.013	0.008	0.882	0.013	0.001	0.001	0.030	---	---	17
18	---	---	0 B	0.014	0.011	0.301	0.008	0.001	0.001	0.004	---	---	18
19	---	---	0 B	0.018	0.012	0.378	0.005	0.001	0.001	0.487	---	---	19
20	---	---	0 B	0.012	0.054	0.251	0.004	0.085	0.005	0.205	---	---	20
21	---	---	0 B	0.005	0.075	1.28	0.005	0.005	0.022	0.183	---	---	21
22	---	---	0.0188	0.010	0.030	1.89	0.003	0.001	0.029	0.099	---	---	22
23	---	---	0.0858	0.024	0.020	1.18	0.001	0.001	0.030	0.015	---	---	23
24	---	---	0.1538	0.022	0.029	1.08	0.001	0.001	0.029	0.004	---	---	24
25	---	---	0.1048	0.020	0.019	0.889	0.001	0.003	0.024E	0.002	---	---	25
26	---	---	0.1898	0.024	0.018	0.811	0.001	0	0.021E	0.001	---	---	26
27	---	---	0.0908	0.121	0.010	0.462	0.001	0	0.018E	0.200A	---	---	27
28	---	---	0.0818	0.067	0.008	0.316	0.001	0	0.015E	0.100B	---	---	28
29	---	---	0.1008	0.037	0.005	0.203	0.001	0	0.012E	0.020B	---	---	29
30	---		0.1088	0.035	0.002	0.124	0.018	0	0.009E	0 B	---	---	30
31	---		0.1008		0.008		0.019	0		0 B		---	31
TOTAL	---	---	1.016	0.874	0.513	11.364	0.767	0.109	0.778	2.178	---	---	TOTAL
MEAN	---	---	0.033	0.029	0.017	0.379	0.025	0.004	0.025	0.070	---	---	MEAN
MAX	---	---	0.189	0.121	0.075	1.89	0.128	0.085	0.502	0.547	---	---	MAX
MIN	---	---	0	0.005	0.002	0.008	0.001	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.072
MAXIMUM DAILY, 1.89 ON JUN 22
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
5.50 AT 21:13 CST ON JUN 21

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 53 18 N
LONG 97 13 40 W
DRAINAGE AREA, 18.3 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	66.3
FEB	---	AUG	9.42
MAR	87.8	SEP	67.0
APR	75.5	OCT	188
MAY	44.3	NOV	---
JUN	982	DEC	---

TOTAL DISCHARGE, 1 520 dam³

TURTLE RIVER NEAR LAURIER - STATION NO. 05LJ007

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.078B	1.84 B	1.13	1.05	1.33	0.147	0.001	0.134	---	---	1
2	---	---	0.078B	2.12 B	1.44A	0.595	0.990	0.123	0.003	0.188	---	---	2
3	---	---	0.078B	2.44 B	3.42E	0.809	0.808	0.103	0.025	0.207	---	---	3
4	---	---	0.078B	2.41 B	3.45E	0.739	0.683	0.102	0.068	0.247	---	---	4
5	---	---	0.078B	2.73 B	4.30E	0.884	0.631	0.076	0.068	0.237	---	---	5
6	---	---	0.078B	3.18 B	3.97E	0.729	0.637	0.082	0.082	0.185	---	---	6
7	---	---	0.078B	2.89 B	3.55E	2.82	0.551	0.078	0.057	0.261	---	---	7
8	---	---	0.078B	2.53 B	3.17E	4.17	0.730	0.077	0.100	0.319	---	---	8
9	---	---	0.078B	2.38	2.89E	2.88	1.44	0.077	0.107	0.272	---	---	9
10	---	---	0.078B	1.94	2.58E	2.41	0.796	0.082	0.115	0.240	---	---	10
11	---	---	0.078B	1.83	3.25E	1.84	0.603	0.081	0.110	0.280	---	---	11
12	---	---	0.078B	3.44	4.10E	1.42	0.474	0.088	0.136	0.258	---	---	12
13	---	---	0.078B	8.37	3.78E	1.27	0.403	0.058	0.345	0.235	---	---	13
14	---	---	0.078B	4.85	3.39E	1.08	0.378	0.057	0.388	0.178	---	---	14
15	---	---	0.078B	3.00	3.02E	0.928	0.323	0.048	0.195	0.341	---	---	15
16	---	---	0.078B	2.30	2.72E	0.840	0.325	0.048	0.118	3.67	---	---	16
17	---	---	0.078B	1.84	2.38E	1.53	0.330	0.039	0.104	3.85	---	---	17
18	---	---	0.078B	1.69	2.08E	1.65	0.278	0.037	0.146	2.49	---	---	18
19	---	---	0.078B	1.41	1.88E	1.37	0.195	0.034	0.137	1.89	---	---	19
20	---	---	0.078B	1.26	1.54E	0.988	0.177	0.027	0.128	5.86	---	---	20
21	---	---	0.413B	1.40	1.51E	0.885	0.176	0.019	0.320	5.15	---	---	21
22	---	---	1.26 B	1.14	1.92E	3.40	0.171	0.028	0.883	4.12	---	---	22
23	---	---	2.44 B	1.04	1.59E	38.4	0.180	0.037	0.894	2.94	---	---	23
24	---	---	1.92 B	1.21	1.40E	32.8	0.180	0.033	0.408	2.27	---	---	24
25	---	---	2.84 B	1.08	1.50E	14.5	0.134	0.028	0.317	1.79	---	---	25
26	---	---	2.71 B	0.944	1.90E	5.90	0.139	0.022	0.218	1.70	---	---	26
27	---	---	2.53 B	0.685	1.78E	4.05	0.139	0.020	0.170	1.48	---	---	27
28	---	---	1.94 B	0.367	1.62E	2.85	0.128	0.015	0.159	1.68 B	---	---	28
29	---	---	1.58 B	0.210	1.49E	2.10	0.122	0.009	0.149	1.86 B	---	---	29
30	---	---	1.70 B	0.687	1.18A	1.89	0.124	0.004	0.128	1.18 B	---	---	30
31	---	---	1.56 B		1.15		0.152	0.001		0.9858		---	31
TOTAL	---	---	22.353	62.873	74.29	137.704	13.874	1.858	5.763	47.289	---	---	TOTAL
MEAN	---	---	0.721	2.10	2.40	4.59	0.441	0.083	0.192	1.52	---	---	MEAN
MAX	---	---	2.71	8.37	4.30	38.4	1.44	0.147	0.883	5.15	---	---	MAX
MIN	---	---	0.078	0.210	1.13	0.854	0.122	0.001	0.001	0.134	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.49
MAXIMUM DAILY, 38.4 ON JUN 23
MINIMUM DAILY, 0.001 ON AUG 31
MAXIMUM INSTANTANEOUS,
49.5 AT 21:28 CST ON JUN 23

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 55 40 N
LONG 99 31 15 W
DRAINAGE AREA, 874 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	1 180
FEB	---	AUG	143
MAR	1 930	SEP	498
APR	5 430	OCT	4 080
MAY	6 420	NOV	---
JUN	11 900	DEC	---

TOTAL DISCHARGE, 31 600 dam³

TURTLEHEAD CREEK ABOVE DELORAINE RESERVOIR - STATION NO. 05MC016

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.018	0.019	0.012	0	0	0	0	---	---	1
2	---	---	0 B	0.016	0.020	0.010	0	0	0	0	---	---	2
3	---	---	0 B	0.014	0.032	0.008	0	0	0	0	---	---	3
4	---	---	0 B	0.011	0.121	0.008	0	0	0	0	---	---	4
5	---	---	0 B	0.011	0.158	0.009	0	0	0	0	---	---	5
6	---	---	0 B	0.011	0.267	0.011	0	0	0	0	---	---	6
7	---	---	0 B	0.012	0.253	0.023	0	0	0	0	---	---	7
8	---	---	0 B	0.013	0.248	0.021	0	0	0	0	---	---	8
9	---	---	0 B	0.012	0.246	0.019	0	0	0	0	---	---	9
10	---	---	0 B	0.007	0.238	0.015	0	0	0	0	---	---	10
11	---	---	0 B	0.009	0.141	0.012	0	0	0	0	---	---	11
12	---	---	0 B	0.048	0.200	0.010	0	0	0	0	---	---	12
13	---	---	0 B	0.074	0.178	0.010	0	0	0	0	---	---	13
14	---	---	0 B	0.034	0.265	0.008	0	0	0	0	---	---	14
15	---	---	0 B	0.018	0.302	0.007	0	0	0	0	---	---	15
16	---	---	0 B	0.015	0.189	0.007	0	0	0	0	---	---	16
17	---	---	0 B	0.013	0.135	0.005	0	0	0	0	---	---	17
18	---	---	0 B	0.010	0.108	0.003	0	0	0	0	---	---	18
19	---	---	0.0148	0.009	0.088	0.002	0	0	0	0	---	---	19
20	---	---	0.0438	0.008	0.075	0.002	0	0	0	0	---	---	20
21	---	---	0.1528	0.007	0.071	0.002	0	0	0	0	---	---	21
22	---	---	0.1468	0.008	0.059	0.001	0	0	0	0	---	---	22
23	---	---	0.3048	0.009	0.050	0.001	0	0	0	0	---	---	23
24	---	---	0.531	0.008	0.045	0	0	0	0	0	---	---	24
25	---	---	0.423	0.008	0.039	0	0	0	0	0	---	---	25
26	---	---	0.172	0.009	0.035	0	0	0	0	0	---	---	26
27	---	---	0.086	0.007	0.028	0	0	0	0	0	---	---	27
28	---	---	0.063	0.005	0.023	0	0	0	0	0	---	---	28
29	---	---	0.046	0.009	0.020	0	0	0	0	0	---	---	29
30	---	---	0.027	0.013	0.018	0	0	0	0	0	---	---	30
31	---	---	0.022		0.015		0	0		0		---	31
TOTAL	---	---	2.041	0.445	3.583	0.206	0	0	0	0	---	---	TOTAL
MEAN	---	---	0.066	0.015	0.115	0.007	0	0	0	0	---	---	MEAN
MAX	---	---	0.531	0.074	0.267	0.023	0	0	0	0	---	---	MAX
MIN	---	---	0	0.005	0.015	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.026
MAXIMUM DAILY, 0.531 ON MAR 24
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.00 AT 19:57 CST ON MAR 24

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 58 N
LONG 100 23 57 W
DRAINAGE AREA, 75.1 km²
B - ICE CONDITIONS
NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	178	SEP	0
APR	38.4	OCT	0
MAY	310	NOV	---
JUN	17.8	DEC	---

TOTAL DISCHARGE, 542 dam³

UPPER GRANDVIEW RESERVOIR NEAR MERRIDALE - STATION NO 05LJ011

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	623.986	623.892	623.892	624.385	624.580	625.680	624.477	624.176	624.240	---	---	1
2	---	623.965	623.892	623.901	624.388	624.583	625.642	624.485	624.173	624.249	---	---	2
3	---	623.962	623.892	623.917	624.385	624.581	625.605	624.450	624.176	624.237	---	---	3
4	---	623.962	623.892	623.935	624.389	624.563	625.584A	624.435	624.189	624.227	---	---	4
5	---	623.969	623.889	623.953	624.385	624.564	---	624.419	624.187	624.230	---	---	5
6	---	623.959	623.889	623.971	624.392	624.550	---	624.404	624.187	624.230	---	---	6
7	---	623.963	623.886	623.996	624.398	624.572	---	624.392	624.178	624.227	---	---	7
8	---	623.950	623.886	624.020	624.389	624.575	---	624.380	624.188	624.221	---	---	8
9	---	623.947	623.883	624.048	624.380	624.576	---	624.368	624.182	624.215	---	---	9
10	---	623.944	623.880	624.075	624.392	624.575	---	624.343	624.179	624.212	---	---	10
11	---	623.941	623.880	624.098	624.410	624.572	---	624.331	624.188	624.215	---	---	11
12	---	623.938	623.874	624.124	624.429	624.569	---	624.328	624.188	624.206	---	624.288	12
13	---	623.935	623.871	624.157	624.444	624.569	---	624.318	624.206	624.215	---	624.298	13
14	---	623.932	623.868	624.200	624.447	624.569	---	624.313	624.200	624.209	---	624.291	14
15	---	623.929	623.868	624.243	624.436	624.572	---	624.286	624.197	624.240	---	624.291	15
16	---	623.929	623.868	624.287	624.460	624.572	---	624.258	624.191	624.233	---	624.288	16
17	624.005	623.926	623.862	624.29[illegible]	624.471	624.584	---	624.279	624.194	624.255	---	624.282	17
18	624.005	623.923	623.856	624.318	624.490	624.578	624.677	624.267	624.194	624.264	---	624.279	18
19	624.005	623.920	623.856	624.331	624.486	624.572	624.631	624.255	624.200	624.288	---	624.273	19
20	624.002	623.917	623.852	624.340	624.496	624.599	624.785	624.258	624.182	624.298	---	624.273	20
21	623.996	623.917	623.849	624.349	624.523	624.638	624.756	624.258	624.188	624.301	---	624.270	21
22	623.993	623.913	623.845	624.365	624.532	624.679	624.730	624.245	624.237	624.304	---	624.261	22
23	623.987	623.910	623.843	624.365	624.532	624.748	624.688	624.233	624.243	624.310	---	624.258	23
24	623.984	623.907	623.840	624.377	624.560	624.869	624.654	624.233	624.243	624.307	---	624.258	24
25	623.984	623.904	623.840	624.386	624.572	625.105	624.633	624.227	624.243	624.307	---	624.258	25
26	623.981	623.901	623.849	624.395	624.581	625.279	624.802	624.224	624.249	624.313	---	624.255	26
27	623.984	623.898	623.858	624.432	624.590	625.428	624.575	624.215	624.252	624.326	---	624.255	27
28	623.977	623.895	623.877	624.410	624.590	625.546	624.544	624.215	624.249	624.325	---	624.252	28
29	623.977	---	623.883	624.386	624.593	625.623	624.526	624.212	624.246	624.326	---	624.252	29
30	623.974		623.886	624.389	624.593	625.860	624.514	624.200	624.243	624.326	---	624.249	30
31	623.971		623.889		624.602		624.496	624.182		624.326A		624.246	31
MEAN	---	---	623.871	624.197	624.475	624.789	---	624.307	624.201	624.264	---	---	MEAN
MAX	---	---	623.892	624.432	624.602	625.860	---	624.477	624.252	624.326	---	---	MAX
MIN	---	---	623.840	623.892	624.380	624.550	---	624.182	624.157	624.209	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 23 51 N
LONG 101 02 05 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

A - MANUAL GAUGE

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

VALLEY RIVER NEAR DAUPHIN - STATION NO 05LJ010

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.4278	7.888	1.75	3.62	12.0	1.85	0	0.367	---	---	1
2	---	---	0.4508	7.128	1.84	3.29	11.1	1.77	0	0.353	---	---	2
3	---	---	0.5318	7.188	2.23	3.18	10.6	1.70	0	0.302	---	---	3
4	---	---	0.5818	7.488	2.57	3.01	10.2	1.50	0	0.249	---	---	4
5	---	---	0.5558	6.728	2.85	2.83	9.87	1.30	0	0.219	---	---	5
6	---	---	0.4658	5.16	2.86	2.79	9.45	1.14	0	0.211	---	---	6
7	---	---	0.4088	4.83	2.75	3.23	9.10	0.988	0	0.177	---	---	7
8	---	---	0.3278	4.58	2.56	3.25	8.70	0.885	0	0.138	---	---	8
9	---	---	0.3868	4.48	2.40	3.25	8.28	0.841	0	0.122	---	---	9
10	---	---	0.4828	4.23	2.55	3.36	7.88	0.785	0	0.104	---	---	10
11	---	---	0.3918	4.04	2.74	3.44	7.37	0.858	0	0.091	---	---	11
12	---	---	0.3178	3.87	2.58	3.27	6.78	0.560	0.004	0.081	---	---	12
13	---	---	0.4418	3.78	2.84	3.06	6.43	0.514	0.024	0.089	---	---	13
14	---	---	0.4698	3.90	2.93	2.83	6.03	0.464	0.063	0.051	---	---	14
15	---	---	0.2648	3.53	3.22	2.77	5.60	0.388	0.139	0.114	---	---	15
16	---	---	0.2008	3.50	3.33	2.62	5.35	0.363	0.153	0.208	---	---	16
17	---	---	0.1318	3.36	3.42	2.76	5.02	0.315	0.196	0.189	---	---	17
18	---	---	0.1148	2.82	2.99	3.12	4.62	0.283	0.258	0.178	---	---	18
19	---	---	0.0958	2.15	2.82	2.72	4.03	0.198	0.313	0.223	---	---	19
20	---	---	0.0928	2.24	3.04	3.12	3.85	0.158	0.333	0.321	---	---	20
21	---	---	0.1288	2.04	3.02	4.17	3.37	0.124	0.370	0.685	---	---	21
22	---	---	0.1928	1.82	2.92	9.30	3.12	0.103	0.384	0.672	---	---	22
23	---	---	0.5748	1.69	2.90	10.8	2.84	0.085	0.385	0.709	---	---	23
24	---	---	1.018	1.84	3.53	12.7	2.62	0.053	0.519	0.742	---	---	24
25	---	---	3.718	1.80	4.42	19.4	2.45	0.040	0.568	0.808	---	---	25
26	---	---	5.228	1.51	5.09	28.3	2.31	0.022	0.531	0.695	---	---	26
27	---	---	7.558	1.758	5.87	25.0	2.18	0.006	0.470	0.983	---	---	27
28	---	---	8.918	3.188	5.55	16.8	2.04	0	0.438	0.883	---	---	28
29	---	---	10.58	1.818	4.96	15.8	1.88	0	0.370	0.984	---	---	29
30	---	---	10.38	1.84	4.41	13.3	1.80	0	0.373	1.078	---	---	30
31	---	---	8.868		4.00		1.78	0		1.088	---	---	31
TOTAL	---	---	85.302	114.29	100.92	218.86	178.30	17.074	5.909	13.315	---	---	TOTAL
MEAN	---	---	2.11	3.81	3.24	7.29	5.75	0.551	0.197	0.430	---	---	MEAN
MAX	---	---	10.5	8.72	5.87	28.3	12.0	1.85	0.566	1.08	---	---	MAX
MIN	---	---	0.092	1.51	1.75	2.62	1.78	0	0	0.051	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.91
MAXIMUM DAILY, 28.3 ON JUN 25
MINIMUM DAILY, 0 ON AUG 26
MAXIMUM INSTANTANEOUS,
28.4 AT 21.33 CST ON JUN 26

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 18 45 N
LONG 100 00 39 W
DRAINAGE AREA, 2 870 km²

B - ICE CONDITIONS

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	15 400
FEB	---	AUG	1 480
MAR	5 840	SEP	511
APR	9 870	OCT	1 150
MAY	8 680	NOV	---
JUN	18 880	DEC	---

TOTAL DISCHARGE, 61 890 dam³

VALLEY RIVER NEAR GRANDVIEW - STATION NO 05LJ021

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.420B	2.22 B	1.08	1.90E	8.56	1.48	0.384	0.282	---	---	1
2	---	---	0.418B	2.59 B	1.06	1.90E	8.78	1.27	0.311	0.213	---	---	2
3	---	---	0.412B	2.96 B	0.970	1.90E	8.86	1.03	0.316	0.207	---	---	3
4	---	---	0.408B	3.06 B	0.917	1.70E	8.81	0.875	0.328	0.217	---	---	4
5	---	---	0.404B	3.14 B	0.871	2.02A	8.34	0.799	0.381	0.201	---	---	5
6	---	---	0.400B	2.56 B	0.853	1.80	7.88	0.787	0.388	0.178	---	---	6
7	---	---	0.396B	2.38 B	0.887	1.93	7.48	0.874	0.456	0.146	---	---	7
8	---	---	0.392B	2.45 B	0.940	2.11	7.16	0.801	0.472	0.106	---	---	8
9	---	---	0.388B	2.47 B	0.962	2.15	8.56	0.581	0.248	0.073	---	---	9
10	---	---	0.384B	2.35 B	0.977	2.05	8.97	0.482	0.218	0.049	---	---	10
11	---	---	0.380B	2.23 B	1.11	1.89	9.50	0.483	0.283	0.080	---	---	11
12	---	---	0.377B	1.51 B	1.27	1.85	9.08	0.476	0.348	0.084	---	---	12
13	---	---	0.373B	1.48	1.41	1.78	8.80	0.480	0.548	0.070	---	---	13
14	---	---	0.370B	1.48	1.52	1.88	3.80	0.408	0.536	0.078	---	---	14
15	---	---	0.368B	1.37	1.85	1.65	3.52	0.421	0.585	0.080	---	---	15
16	---	---	0.363B	1.10	1.35	1.79	3.30	0.445	0.462	0.127	---	---	16
17	---	---	0.359B	0.944	1.29	1.80	3.13	0.381	0.454	0.228	---	---	17
18	---	---	0.356B	0.751	1.63	1.78	2.90	0.458	0.284	0.188	---	---	18
19	---	---	0.352B	0.681	1.43	1.78	2.72	0.448	0.185	0.183	---	---	19
20	---	---	0.360B	0.783	1.48	3.71	2.58	0.571	0.176	0.201	---	---	20
21	---	---	0.770B	0.780	1.80	3.82	2.44	0.384	0.334	0.187	---	---	21
22	---	---	1.36 B	0.717	1.76	3.54	2.25	0.232	0.398	0.180	---	---	22
23	---	---	2.02 B	0.836	1.78	3.70	2.12	0.362	0.694	0.178	---	---	23
24	---	---	2.76 B	0.632	2.02 E	5.29	2.00	0.398	0.585	0.175	---	---	24
25	---	---	3.22 B	0.698	2.08 E	7.84	1.88	0.362	0.516	0.187	---	---	25
26	---	---	3.06 B	0.706	2.03 E	7.78	1.72	0.337	0.535	0.1679	---	---	26
27	---	---	2.92 B	0.793	2.01 E	8.01	1.60	0.431	0.458	0.2698	---	---	27
28	---	---	3.44 B	1.19	1.97 E	7.87	1.48	0.417	0.368	0.2188	---	---	28
29	---	---	3.28 B	0.926	1.89 E	7.82	1.52	0.313	0.323	0.2488	---	---	29
30	---	---	1.70 B	1.10	1.76 E	8.16	1.59	0.263	0.294	0.1818	---	---	30
31	---	---	1.76 B		1.83 E		1.57	0.259		0.1708		---	31
TOTAL	---	---	33.026	46.855	44.427	102.81	135.54	16.806	11.599	5.127	---	---	TOTAL
MEAN	---	---	1.07	1.56	1.43	3.42	4.37	0.542	0.387	0.165	---	---	MEAN
MAX	---	---	3.44	3.14	2.08	8.16	8.86	1.48	0.694	0.269	---	---	MAX
MIN	---	---	0.392	0.632	0.853	1.65	1.48	0.232	0.185	0.049	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.62
MAXIMUM DAILY, 8.86 ON JUL 3
MINIMUM DAILY, 0.049 ON OCT 10
MAXIMUM INSTANTANEOUS,
8.93 AT 20:11 CST ON JUL 2

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 10 N
LONG 100 41 40 W
DRAINAGE AREA, 1 720 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	11 700
FEB	---	AUG	1 450
MAR	2 850	SEP	1 000
APR	3 030	OCT	443
MAY	3 840	NOV	---
JUN	8 880	DEC	---

TOTAL DISCHARGE, 34 200 dam³

VERMILION RESERVOIR NEAR DAUPHIN - STATION NO 05LJ046

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	385.608	385.578	385.571	---	388.398	388.384	388.347	388.076	387.632	387.440	388.348	387.629	1
2	385.607	385.578	385.570	---	388.385	388.383	388.343	388.085	387.621	387.438	388.342	387.688	2
3	385.607	385.578	385.569	---	388.402	388.372	388.341	388.055	387.608	387.430	388.342	387.704	3
4	385.605	385.576	385.567	---	388.425	388.364	388.338	388.042	387.595	387.425	358.342	387.742	4
5	385.604	385.574	385.567	---	388.484	388.383	388.329	388.029	387.571	387.424	388.343	387.777	5
6	385.608	385.574	385.567	---	388.522	388.388	388.323	388.014	387.557	387.424	388.339	387.810	6
7	335.606	385.573	385.569	---	388.523	388.382	388.320	388.003	387.556	387.423	388.313	387.838	7
8	385.605	385.574	385.570	---	388.503	388.387	388.324	387.983	387.556	387.422	388.293	387.885	8
9	385.604	385.574	385.566	---	388.506	388.382	388.323	387.986	387.548	387.422	388.277	387.894	9
10	385.602	385.578	385.563	---	388.521	388.377	388.316	387.957	387.541	387.410	388.253	387.824	10
11	385.602	385.574	385.56?	---	388.583	388.372	388.302	387.944	387.526	387.397	388.228	387.843	11
12	385.600	385.572	385.561	---	388.642	388.364	388.283	387.931	387.526	387.395	388.187	387.884	12
13	385.600	385.568	385.561	---	388.653	388.364	388.268	387.918	387.541	387.388	388.142	387.885	13
14	385.598	385.570	385.564	---	388.626	388.362	388.255	387.907	387.538	387.348	388.040	388.009	14
15	385.598	385.568	385.565	---	388.584	388.357	388.255	387.890	387.534	387.347	387.931	388.025	15
16	385.598	385.569	385.565	---	388.546	388.357	388.268	387.874	387.528	387.512	387.805	388.048	16
17	385.596	385.569	385.564	---	388.527	388.370	388.239	387.984	387.518	387.443	387.680	388.083	17
18	385.595	385.567	385.565	---	388.486	388.381	388.233	387.845	387.498	387.688	387.549	388.084	18
19	385.594	385.567	385.565	388.388A	388.467	388.375	388.220	387.835	387.483	387.734	387.407	388.100	19
20	385.589	385.566	385.567	388.382	388.484	388.384	388.211	387.823	387.424	387.696	387.393	388.119	20
21	385.588	385.567	385.566	388.381	388.486	388.380	388.203	387.805	387.411	388.122	387.282	388.139	21
22	385.588	385.569	385.566	388.378	388.492	388.380	388.192	387.792	387.425	388.262	387.308	388.154	22
23	385.586	385.569	385.574	388.374	388.445	388.403	388.178	387.772	387.428	388.350	387.339	388.168	23
24	385.559	385.568	385.612	388.375	388.462	388.468	388.184	387.757	387.436	388.378	387.386	388.188	24
25	385.587	385.569	385.665	388.378	388.485	388.485	388.184	387.743	387.444	388.378	387.385	388.197	25
26	385.585	385.568	385.622	388.378	388.487	388.418	388.161	387.736	387.445	388.381	387.459	388.215	26
27	385.584	385.570	385.577	388.381	388.482	388.387	388.133	387.719	387.448	388.387	387.504	388.229	27
28	385.587	385.572	386.110	388.373	388.461	388.381	388.119	387.703	387.447	388.378	387.527	388.244	28
29	385.586	385.572	386.230A	388.367	388.424	388.368	388.108	387.681	387.444	388.378	387.553	388.257	29
30	385.582		---	388.367	388.421	388.384	388.098	387.659	387.443	388.368	387.589	388.271	30
31	385.578		---		388.406		388.090	387.643		388.388		388.284	31
MEAN	385.596	385.572	---	---	388.480	388.380	388.238	387.872	387.508	387.764	387.690	388.017	MEAN
MAX	385.608	385.578	---	---	388.653	388.468	388.347	388.076	387.632	388.387	388.348	388.284	MAX
MIN	385.578	385.567	---	---	388.385	388.364	388.090	387.643	387.411	387.347	387.282	387.629	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 02 45 N
LONG 100 10 05 W

A - MANUAL GAUGE

REGULATED SINCE 1970

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

VERMILION RIVER NEAR DAUPHIN - STATION NO 05LJ012

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.3539	0.959	1.23	0.493	0.047	0	0.084	---	---	1
2	---	---	0 B	0.3200	1.11	0.987	0.381	0.057	0	0.093	---	---	2
3	---	---	0 B	0.3008	1.23	0.637	0.320	0.048	0	0.074	---	---	3
4	---	---	0 B	0.2488	1.61	0.889	0.258	0.023	0	0.145	---	---	4
5	---	---	0 B	0.2088	2.48	0.815	0.214	0.028	0	0.196	---	---	5
6	---	---	0 B	0.279	3.48	0.578	0.182	0.028	0	0.055	---	---	6
7	---	---	0 B	0.231	4.57	0.717	0.127	0.024	0	0.016	---	---	7
8	---	---	0 B	0.283	4.04	0.832	0.105	0.010	0	0.018	---	---	8
9	---	---	0 B	0.233	3.82	0.953	0.088	0.019	0	0.020	---	---	9
10	---	---	0 B	0.209	3.88	0.877	0.080	0.005	0	0.017	---	---	10
11	---	---	0 B	0.209	4.82	0.784	0.038	0.015	0	0.021	---	---	11
12	---	---	0 B	0.297	7.09	0.889	0.031	0.033	0.006	0.038	---	---	12
13	---	---	0 B	0.316	8.87	0.881	0.014	0.018	0.061	0.048	---	---	13
14	---	---	0 B	0.361	8.42	0.835	0.082	0	0.073	0.250	---	---	14
15	---	---	0 B	1.22	7.10	0.863	0.088	0	0.088	0.378	---	---	15
16	---	---	0 B	1.53	5.31	0.522	0.110	0	0.032	0.716	---	---	16
17	---	---	0 B	1.29	4.26	0.614	0.082	0	0.008	0.512	---	---	17
18	---	---	0 B	1.09	3.45	0.613	0.052	0	0.005	0.442	---	---	18
19	---	---	0 B	0.885	2.80	0.713	0.023	0	0.004	0.492	---	---	19
20	---	---	0 1079	0.743	2.58	0.883	0.015	0	0.005	0.572	---	---	20
21	---	---	0 4398	0.644	2.53	0.881	0.019	0	0.106	0.730	---	---	21
22	---	---	0 5868	0.617	2.48	0.493	0.011	0	0.300	0.885	---	---	22
23	---	---	0 6188	0.586	2.28	1.92	0.008	0	0.338	0.669	---	---	23
24	---	---	0 5868	0.515	2.38	2.21	0.006	0	0.183	0.690	---	---	24
25	---	---	1 54 B	0.489	2.88	2.88	0.002	0	0.155	0.987	---	---	25
26	---	---	1 53 B	0.476	3.47	1.89	0.020	0	0.115	1.04	---	---	26
27	---	---	1 13 B	0.4588	2.87	1.41	0.009	0	0.102	0.9518	---	---	27
28	---	---	0 7689	0.5238	2.48	1.06	0.011	0	0.091	0.9188	---	---	28
29	---	---	0 5178	0.4788	1.98	0.813	0.016	0	0.085	0.8668	---	---	29
30	---		0 4838	0.7838	1.70	0.639	0.022	0	0.065	0.8508	---	---	30
31	---		0 4018		1.53		0.036	0		0.8308		---	31
TOTAL	---	---	8 725	16.038	107.799	28.398	2.848	0.383	1.730	12.778	---	---	TOTAL
MEAN	---	---	0.281	0.535	3.48	0.947	0.092	0.011	0.058	0.412	---	---	MEAN
MAX	---	---	1.54	1.53	8.87	2.58	0.493	0.057	0.300	1.04	---	---	MAX
MIN	---	---	0	0.200	0.959	0.493	0.002	0	0	0.016	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.729
MAXIMUM DAILY, 8.87 ON MAY 13
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
9.09 AT 21:51 CST ON MAY 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 11 00 N
LONG 100 00 45 W
DRAINAGE AREA, 873 km²

B - ICE CONDITIONS

REGULATED SINCE 1979

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	246
FEB	---	AUG	30.5
MAR	784	SEP	149
APR	1 380	OCT	1 100
MAY	9 310	NOV	---
JUN	2 450	DEC	---

TOTAL DISCHARGE, 15 400 dam³

WASKADA CREEK NEAR CRANMER - STATION NO 05NF014

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.002	0	0	0	0	0	0	---	---	1
2	---	---	0 B	0	0	0	0	0	0	0	---	---	2
3	---	---	0 B	0	0	0	0	0	0	0	---	---	3
4	---	---	0 B	0	0	0	0	0	0	0	---	---	4
5	---	---	0 B	0	0.586	0	0	0	0	0	---	---	5
6	---	---	0 B	0	0.061	0	0	0	0	0	---	---	6
7	---	---	0 B	0	0.003	0	0	0	0	0	---	---	7
8	---	---	0 B	0	0	0	0	0	0	0	---	---	8
9	---	---	0 B	0	0	0	0	0	0	0	---	---	9
10	---	---	0 B	0	0	0	0	0	0	0	---	---	10
11	---	---	0 B	0	0	0	0	0	0	0	---	---	11
12	---	---	0 B	0.002	0	0	0	0	0	0	---	---	12
13	---	---	0 B	0.004	0	0	0	0	0	0	---	---	13
14	---	---	0 B	0.002	0	0	0	0	0	0	---	---	14
15	---	---	0 B	0.005	0	0	0	0	0	0	---	---	15
16	---	---	0 B	0.004	0	0	0	0	0	0	---	---	16
17	---	---	0 B	0.002	0	0	0	0	0	0	---	---	17
18	---	---	0 B	0	0	0	0	0	0	0	---	---	18
19	---	---	0 B	0	0	0	0	0	0	0	---	---	19
20	---	---	0 B	0	0	0	0	0	0	0.026	---	---	20
21	---	---	0 B	0	0	0	0	0	0	0.078	---	---	21
22	---	---	0.0028	0	0	0	0	0	0	0.014	---	---	22
23	---	---	0.0208	0	0	0	0	0	0	0.003	---	---	23
24	---	---	0.147A	0	0	0	0	0	0	0.001	---	---	24
25	---	---	0.214	0	0	0	0	0	0	0	---	---	25
26	---	---	0.128	0	0	0	0	0	0	0	---	---	26
27	---	---	0.042	0	0	0	0	0	0	0	---	---	27
28	---	---	0.021	0	0	0	0	0	0	0	---	---	28
29	---	---	0.008	0	0	0	0	0	0	0	---	---	29
30	---		0.005	0	0	0	0	0	0	0	---	---	30
31	---		0.003		0		0	0		0		---	31
TOTAL	---	---	0.592	0.021	0.830	0	0	0	0	0.119	---	---	TOTAL
MEAN	---	---	0.019	0.001	0.020	0	0	0	0	0.004	---	---	MEAN
MAX	---	---	0.214	0.005	0.586	0	0	0	0	0.078	---	---	MAX
MIN	---	---	0	0	0	0	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.008
MAXIMUM DAILY, 0.586 ON MAY 5
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
1.45 AT 12:03 CST ON MAY 5

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 07 40 N
LONG 100 42 50 W
DRAINAGE AREA, 104 km²
A - MANUAL GAUGE
B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	0
FEB	---	AUG	0
MAR	51.1	SEP	0
APR	1.81	OCT	10.3
MAY	54.4	NOV	---
JUN	0	DEC	---

TOTAL DISCHARGE, 118 dam³

WATERMEN LAKE AT SKOWMAN - STATION NO. OSLM008

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	282.134	282.123	---	282.145	282.426	282.383	282.423	282.306	282.186	282.132	282.147	282.195	1
2	282.136	282.123	---	282.152	282.457	282.430	282.428	282.295	282.181	282.176	282.156	282.195	2
3	282.138	282.124	---	282.157	282.476	282.434	282.433	282.284	282.184	282.186	282.164	282.188	3
4	282.135	282.122	---	282.164	282.473	282.435	282.437	282.287	282.186	282.181	282.169	282.197	4
5	282.137	282.118	---	282.173	282.470	282.433	282.438	282.283	282.183	282.134	282.163	282.198	5
6	282.135	282.118	---	282.183	282.477	282.433	282.396	282.290	282.119	282.181	282.152	282.198	6
7	282.133	282.120	---	282.188	282.468	282.414	282.386	282.288	282.172	282.144	282.151	282.206	7
8	282.131	282.118	---	282.193	282.438	282.401	282.395	282.284	282.228	282.132	282.149	282.204	8
9	282.130	282.120	---	282.200	282.411	282.403	282.398	282.313	282.183	282.121	282.148	282.204	9
10	282.130	282.118	---	282.201	282.430	282.418	282.393	282.294	282.174	282.126	282.147	282.204	10
11	282.128	282.117	---	282.207	282.434	282.417	282.395	282.241	282.164	282.135	282.148	282.202	11
12	282.129	282.116	---	282.208	282.416	282.446	282.389	282.273	282.177	282.117	282.148	282.196	12
13	282.131	282.114	---	282.211	282.426	282.418	282.371	282.270	282.181	282.138	282.151	282.201	13
14	282.128	282.118	---	282.212	282.423	282.393	282.396	282.263	282.171	282.141	282.155	282.202	14
15	282.130	282.113	---	282.217	282.371	282.402	282.382	282.281	282.163	282.223	282.158	282.206	15
16	282.128	282.112	---	282.228	282.388	282.417	282.382	282.241	282.141	282.081	282.157	282.206	16
17	282.126	282.110	---	282.238	282.370	282.420	282.385	282.260	282.181	282.184	282.157	282.207	17
18	282.127	282.108	---	282.248	282.447	282.418	282.372	282.227	282.168	282.188	282.159	282.210	18
19	282.124	282.108	---	282.258	282.444	282.389	282.382	282.228	282.182	282.285	282.159	282.217	19
20	282.123	282.108	---	282.286	282.419	282.400	282.331	282.225	282.183	282.234	282.161	282.220	20
21	282.126	282.111	---	282.270	282.434	282.414	282.382	282.261	282.178	282.208	282.164	282.225	21
22	282.127	282.108A	---	282.276	282.452	282.439	282.380	282.222	282.207	282.184	282.162	282.226	22
23	282.127	282.108E	---	282.281	282.448	282.407	282.364	282.196	282.222	282.193	282.163	282.226	23
24	282.127	282.107E	---	282.290	282.468	282.407	282.328	282.207	282.186	282.224	282.185	282.231	24
25	282.119	282.106E	---	282.321	282.440	282.403	282.328	282.218	282.181	282.181	282.188	282.236	25
26	282.116	282.104E	---	282.380	282.438	282.406	282.327	282.216	282.189	282.200	282.187	282.241	26
27	282.116	282.103E	---	282.510	282.428	282.455	282.320	282.210	282.184	282.248	282.185	282.245	27
28	282.122	282.101E	282.118A	282.610	282.427	282.447	282.305	282.204	282.183	282.187	282.186	282.247	28
29	282.122	282.100E	282.124	282.582	282.418	282.420	282.303	282.182	282.182	282.181	282.184	282.244	29
30	282.121		282.131	282.600	282.436	282.420	282.313	282.216	282.187	282.172	282.187	282.248	30
31	282.123		282.138		282.437		282.318	282.202		282.181		282.247	31
MEAN	282.128	282.113	---	282.251	282.437	282.420	282.368	282.248	282.172	282.168	282.162	282.218	MEAN
MAX	282.138	282.124	---	282.510	282.468	282.487	282.437	282.313	282.228	282.285	282.184	282.248	MAX
MIN	282.116	282.100	---	282.145	282.370	282.383	282.303	282.182	282.119	282.081	282.147	282.195	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 282.610 ON APR 27

MAXIMUM INSTANTANEOUS,
282.662 AT 18:22 CST ON APR 27

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 56 20 N
LONG 99 25 30 W

A - MANUAL GAUGE

E - ESTIMATED

WATERMEN RIVER NEAR WATERMEN - STATION NO OSLM008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	27.00	19.10	17.70	24.20	80.5	158	161	136	113	97.3	100.0	61.00	1
2	26.50	19.20	17.60	25.30	102	172	166	135	112	116	97.50	60.60	2
3	26.20	19.10	17.60	26.40	138	176	169	132	109	108	95.00	59.00	3
4	27.00	19.10	17.70	27.80	163	170	171	133	112	109	93.40	58.00	4
5	27.40	18.60	17.70	29.60	163	177	172	132	104	103	91.70	59.30	5
6	27.40	19.10	17.70	37.70	182	175	156	135	85.2	100	90.00	58.70	6
7	27.40	18.70	17.60	46.80	193	171	142	129	101	108	87.20	58.60	7
8	27.30	18.30	17.30	57.60	178	187	155	132	108	101	85.00	58.20	8
9	26.50	18.20	17.00	72.00	166	184	156	135	110	95.5	83.60	57.60	9
10	26.00	18.00	17.20	86.00	173	187	122	111	100	91.20	81.20	57.30	10
11	25.30	17.70	16.90	102.0	180	170	158	112	107	89.5	80.10	56.90	11
12	24.80	17.50	17.10	126	186	178	155	124	111	85.1	77.20	56.50	12
13	24.70	17.40	17.20	133	175	174	149	125	118	101	75.70	56.00	13
14	23.80	17.20	17.50	135	171	181	157	129	108	105	74.80	55.70	14
15	23.70	17.00	17.20	132	165	181	160	129	107	128	72.20	55.50	15
16	23.60	17.00	17.10	131	137	187	159	118	107	86.6	89.70	55.10	16
17	23.30	17.00	17.00	128	148	172	152	127	108	105	80.30	54.40	17
18	23.30	17.00	17.00	132	175	172	150	117	108	108	84.80	54.20	18
19	22.60	17.00	17.00	136	180	184	161	117	108	133	85.30	52.50	19
20	22.30	17.10	17.00	139	188	187	138	117	108	137	82.70	51.30	20
21	21.80	17.10	17.00	137	172	183	142	128	103	122	82.80	48.30	21
22	21.60	17.20	17.10	138	183	173	150	120	103	116	82.20	46.00	22
23	20.60	17.50	17.60	140	180	186	147	109	107	116	82.40	46.70	23
24	20.50	17.50	18.40	144	183	177	142	110	110	126	82.80	44.50	24
25	20.50	17.50	19.80	166	178	172	141	116	108	108	84.10	43.70	25
26	20.70	17.50	20.60	165	177	184	142	116	108	107.8	84.10	43.60	26
27	20.60	17.80	20.60	84.3	173	174	140	115	113	108.8	82.80	44.40	27
28	20.70	17.60	20.60	72.3	188	188	134	115	111	110.8	82.40	44.80	28
29	20.30	17.70	21.20	61.1	182	186	133	112	110	107.8	82.10	44.30	29
30	19.70		21.60	63.4	170	186	138	125	109	105.8	81.30	43.50	30
31	19.20		22.00		174		142	118		102.8		42.80	31
TOTAL	733.8	517.1	584.6	2 871.0	5 174.5	5 140	4 688	3 829	3 247.2	3 376.6	2 248.7	1 634.6	TOTAL
MEAN	23.7	17.6	18.2	95.7	167	171	151	124	108	108	76.8	52.7	MEAN
MAX	27.6	19.2	22.0	166	193	186	172	135	118	137	100	61.0	MAX
MIN	19.2	17.0	16.8	24.2	80.6	158	133	109	85.2	85.6	81.3	42.8	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 93.0
MAXIMUM DAILY, 186 ON JUN 23
MINIMUM DAILY, 16.80 ON MAR 11
MAXIMUM INSTANTANEOUS,
210 AT 05:55 CST ON MAY 11

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 51 10 N
LONG 99 33 50 W
DRAINAGE AREA, 95 200 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	63 400	JUL	405 000
FEB	44 700	AUG	331 000
MAR	48 600	SEP	281 000
APR	248 000	OCT	292 000
MAY	447 000	NOV	194 000
JUN	444 000	DEC	141 000

TOTAL DISCHARGE, 2 840 000 dam³

WEAVER LAKE AT OUTLET - STATION NO. 05RE002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	27.839	28.456	28.824	28.884	28.406	27.977	27.934	28.385	---	1
2	---	---	---	27.840	28.475	28.814	28.875	28.388	27.985	27.929	28.359	---	2
3	---	---	---	27.840	28.502	28.854	28.851	28.366	28.001	27.946	28.364	---	3
4	---	---	---	27.842	28.527	28.839	28.870	28.345	28.001	27.971	28.364	---	4
5	---	---	---	27.845	28.549	28.823	28.862	28.364	28.009	27.953	28.365	---	5
6	---	---	---	27.851	28.580	28.812	28.878	28.404	28.001	27.943	28.363	---	6
7	---	---	---	27.858	28.591	28.800	28.868	28.392	28.023	27.947	28.361	---	7
8	---	---	---	27.874	28.616	28.790	28.882	28.380	28.021	27.943	28.363	---	8
9	---	---	---	27.893	28.658	28.778	28.884	28.356	27.986	27.939	28.360	---	9
10	27.942A	---	---	27.915	28.689	28.762	28.871	28.347	27.983	27.944	28.358	---	10
11	---	---	---	27.943	28.704	28.739	28.868	28.330	27.971	27.987	28.357	---	11
12	---	---	---	27.976	28.723	28.749A	28.870	28.313	27.970	27.991	28.354	---	12
13	---	---	---	28.013	28.739	28.714	28.868	28.310	27.950	27.986	28.351	---	13
14	---	---	---	28.043	28.755	28.700	28.851	28.282	27.934	27.990	28.348	---	14
15	---	---	---	28.074	28.768	28.684	28.846	28.253	27.915	28.026	28.355	---	15
16	---	---	---	28.105	28.767	28.673	28.839	28.250	27.939	28.062	28.354A	---	16
17	---	---	---	28.134	28.734	28.664	28.636	28.222	27.930	28.084	---	---	17
18	---	---	---	28.160	28.747	28.848	28.606	28.217	27.894	28.121	---	---	18
19	---	---	---	28.187	28.788	28.845	28.599	28.204	27.889	28.170	---	---	19
20	---	---	---	28.210	28.784	28.843	28.598	28.168	27.892	28.191	---	---	20
21	---	---	---	28.222	28.781	28.842	28.583	28.156	27.867	28.213	---	---	21
22	---	---	---	28.243	28.794	28.853	28.549	28.153	27.848	28.229	---	---	22
23	---	---	---	28.257	28.807	28.858	28.544	28.141	27.915	28.249	---	---	23
24	---	---	---	28.285	28.834	28.879	28.536	28.134	27.923	28.284	---	---	24
25	---	---	---	28.314	28.824	28.894	28.533	28.121	27.920	28.301	---	---	25
26	---	---	---	28.348	28.825	28.701	28.516	28.089	27.917	28.300	---	---	26
27	---	---	27.837A	28.387	28.825	28.715	28.483	28.094	27.911	28.301	---	---	27
28	---	---	27.840	28.376	28.823	28.718	28.472	28.051	27.919	28.324	---	---	28
29	---	---	27.840	28.397	28.821	28.706	28.454	27.994	27.931	28.336	---	---	29
30	---		27.840	28.428	28.824	28.892	28.439	28.012	27.936	28.345	---	---	30
31	---		27.838		28.818		28.425	27.986		28.352		---	31
MEAN	---	---	---	28.080	28.713	28.726	28.802	28.232	27.952	28.106	---	---	MEAN
MAX	---	---	---	28.428	28.834	28.854	28.886	28.406	28.023	28.352	---	---	MAX
MIN	---	---	---	27.839	28.456	28.642	28.425	27.986	27.889	27.929	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 28.854 ON JUN 3

MAXIMUM INSTANTANEOUS,
28.896 AT 22:11 CST ON MAY 31

WATER LEVELS ARE REFERRED TO ASSUMED DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 46 40 N
LONG 88 45 10 W

A - MANUAL GAUGE

NATURAL FLOW

WEIR RIVER ABOVE THE MOUTH - STATION NO. 05UH002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.28B	2.92B	1.88B	1.16B	46.9	57.8	17.6	8.71	4.37	4.98E	3.75B	2.00B	1
2	4.24B	2.89B	1.93B	1.15B	45.0	59.2	16.5	8.27	4.31	5.07E	3.60B	1.98B	2
3	4.20B	2.84B	1.90B	1.14B	43.9	61.9	15.5	7.74	4.29	5.22A	3.47B	1.93B	3
4	4.16B	2.79B	1.87B	1.14B	44.9	67.4	14.9	7.28	4.28	5.46	3.40B	1.88B	4
5	4.12B	2.77B	1.84B	1.13B	44.8	71.8	16.5	6.84	4.22	5.57	3.33B	1.85B	5
6	4.06B	2.74B	1.81B	1.12B	41.5	71.9	16.2	6.50	4.21	5.64	3.25B	1.82B	6
7	4.01B	2.71B	1.77B	1.11B	39.0	66.2	15.5	6.38	4.29	5.58	3.18B	1.78B	7
8	3.95B	2.67B	1.73B	1.10B	36.9	62.5	14.6	6.08	4.64	5.59	3.10B	1.76B	8
9	3.88B	2.64B	1.71B	1.10B	33.6	57.1	13.8	5.88	4.71	5.65	3.02B	1.73B	9
10	3.81B	2.61B	1.68B	1.12B	33.1	52.3	12.9	5.77	4.78A	5.66	2.98B	1.70B	10
11	3.74B	2.57B	1.65B	1.12B	32.7	48.3	12.2	5.66	5.00E	5.68	2.90B	1.68B	11
12	3.67B	2.53B	1.61B	1.13B	32.5	46.9	11.6	5.59	5.04E	5.68	2.84B	1.63B	12
13	3.61B	2.50B	1.58B	1.17B	31.6	44.1	11.1	5.47	5.00E	5.68	2.78B	1.60B	13
14	3.57B	2.47B	1.55B	1.23B	31.4	41.4	10.6	5.40	4.93E	5.61	2.74B	1.57B	14
15	3.53B	2.44B	1.52B	1.63B	33.3	38.6	10.0	5.30	4.86E	5.88	2.67B	1.54B	15
16	3.50B	2.41B	1.49B	2.84B	44.7	36.9	9.84	5.25	4.78E	5.88	2.60B	1.52B	16
17	3.46B	2.37B	1.46B	5.00B	64.3	36.0	9.26	5.16	4.78E	5.86	2.56B	1.49B	17
18	3.42B	2.34B	1.43B	9.61B	181	35.7	8.89	5.14	4.78E	5.90	2.52B	1.46B	18
19	3.40B	2.32B	1.39B	16.5 B	217	35.2	8.72	5.03	4.78E	5.99	2.47B	1.45B	19
20	3.36B	2.29B	1.36B	34.0 B	217	33.7	8.37	4.91	4.78E	6.01	2.44B	1.41B	20
21	3.31B	2.26B	1.33B	55.5 B	203	31.7	8.11	4.82	4.83E	6.08	2.38B	1.39B	21
22	3.26B	2.22B	1.30B	104 B	176	29.6	8.00	4.90	4.86E	6.14	2.34B	1.37B	22
23	3.24B	2.19B	1.26B	130 B	141	27.9	8.26	4.86	4.79E	6.16	2.30B	1.35B	23
24	3.20B	2.16B	1.25B	130	116	26.4	9.01	4.83	4.75E	5.82	2.26B	1.32B	24
25	3.17B	2.13B	1.24B	138	101	25.1	11.0	4.76	4.72E	5.28B	2.23B	1.30B	25
26	3.13B	2.10B	1.23B	128	91.2	23.7	12.1	4.70	4.75E	5.00B	2.19B	1.27B	26
27	3.10B	2.08B	1.21B	99.2	83.6	22.3	12.0	4.69	4.72E	4.72B	2.15B	1.25B	27
28	3.06B	2.04B	1.20B	74.3	76.9	21.2	11.3	4.73	4.72E	4.55B	2.11B	1.24B	28
29	3.03B	1.93B	1.19B	63.3	71.1	20.0	10.5	4.60	4.85E	4.30B	2.08B	1.23B	29
30	2.99B		1.18B	61.9	66.0	18.8	9.81	4.44	4.85E	4.12B	2.04B	1.23B	30
31	2.95B		1.17B		61.2		9.19	4.38		3.92B		1.22B	31
TOTAL	110.45	70.97	46.82	1 088.00	2 524.0	1 275.0	362.75	174.05	140.57	166.56	81.67	47.93	TOTAL
MEAN	3.56	2.45	1.51	36.3	81.4	42.5	11.7	5.61	4.69	5.44	2.72	1.55	MEAN
MAX	4.28	2.92	1.88	138	217	71.9	17.6	8.71	5.04	6.16	3.75	2.00	MAX
MIN	2.95	1.93	1.17	1.10	31.4	18.8	8.00	4.38	4.21	3.92	2.04	1.22	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 16.8
MAXIMUM DAILY, 217 ON MAY 19
MINIMUM DAILY, 1.10B ON APR 8
MAXIMUM INSTANTANEOUS,
219 AT 15:00 CST ON MAY 19

TYPE OF GAUGE - RECORDING
LOCATION - LAT 56 56 20 N
LONG 93 19 45 W
DRAINAGE AREA, 2 280 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	9 540	JUL	31 300
FEB	6 130	AUG	15 000
MAR	4 050	SEP	12 100
APR	94 000	OCT	14 400
MAY	218 000	NOV	7 060
JUN	110 000	DEC	4 140

TOTAL DISCHARGE, 526 000 dam³

WEST HAWK LAKE AT WEST HAWK LAKE CAMPGROUND - STATION NO. 05PE003

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	332.308	332.430	332.670E	332.551	332.391	---	---	---	1
2	---	---	---	---	---	332.435	332.663	332.551	332.380	---	---	---	2
3	---	---	---	---	---	332.415	332.649	332.557	332.384	332.278	---	---	3
4	---	---	---	---	---	332.418	332.637	332.558	---	---	---	---	4
5	---	---	---	---	---	332.464	332.637	332.550	---	---	---	---	5
6	---	---	---	---	---	332.484	332.631	332.548	---	---	---	---	6
7	---	---	---	---	---	332.508	332.618	332.539	---	---	---	---	7
8	---	---	---	---	---	332.548	332.622	332.534	---	---	---	---	8
9	---	---	---	---	332.323	332.566	332.615	332.528	---	---	---	---	9
10	---	---	---	---	332.338	332.614	332.609	332.523	---	---	---	---	10
11	---	---	---	---	332.364	332.631	332.606	332.526	---	---	---	---	11
12	---	---	---	---	332.368	332.660	332.598	332.527	---	---	---	---	12
13	---	---	---	---	332.384	332.708	332.635	332.510E	---	---	---	---	13
14	---	---	---	---	332.387	332.730	332.637	332.493	---	---	---	---	14
15	---	---	---	---	332.382	332.760	332.639	332.495	---	---	---	---	15
16	---	---	---	---	332.356	332.766	332.623	332.485	---	---	---	---	16
17	---	---	---	---	332.358	332.802E	332.617	332.483	---	---	---	---	17
18	---	---	---	---	332.358	332.638	332.611	332.477E	---	---	---	---	18
19	---	---	---	---	332.364	332.646	332.609	332.470	---	---	---	---	19
20	---	---	---	---	332.366	332.643	332.603	332.465	---	---	---	---	20
21	---	---	---	---	332.392	332.634	332.595	332.466	---	---	332.601	---	21
22	---	---	---	---	332.368	332.627	332.593	332.469	---	---	---	---	22
23	---	---	---	---	332.366	332.618	332.588	332.469	---	---	---	---	23
24	---	---	---	---	332.402	332.793	332.581	332.460	---	---	---	---	24
25	---	---	---	---	332.406	332.772	332.578	332.435	---	---	---	---	25
26	---	---	---	---	332.406	332.783	332.572	332.434	---	---	---	---	26
27	---	---	332.116	---	332.406	332.787	332.571	332.432	332.300	---	---	---	27
28	---	---	---	---	332.418	332.732	332.569	332.428E	---	---	---	---	28
29	---	---	---	---	332.430	332.716	332.566	332.425	---	---	---	---	29
30	---		---	---	332.414	332.693	332.563	332.410	---	---	---	---	30
31	---		---		332.418		332.555	332.398		---		---	31
MEAN	---	---	---	---	---	332.571	332.606	332.489	---	---	---	---	MEAN
MAX	---	---	---	---	---	332.848	332.670	332.561	---	---	---	---	MAX
MIN	---	---	---	---	---	332.418	332.555	332.398	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 49 44 45 N
LONG 95 13 41 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED
REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WEST SQUIRREL CREEK NEAR AUSTIN - STATION NO. 05LL001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.288B	0.383B	0.146	0.057	0.005	0	0	---	---	1
2	---	---	0 B	0.247B	0.378B	0.123	0.043	0	0	0	---	---	2
3	---	---	0 B	0.257B	0.411B	0.103	0.030	0	0	0	---	---	3
4	---	---	0 B	0.282B	0.416	0.090	0.026	0	0	0	---	---	4
5	---	---	0 B	0.298	0.514	0.081	0.022	0	0	0	---	---	5
6	---	---	0 B	0.288	0.408	0.084	0.001	0	0	0	---	---	6
7	---	---	0 B	0.287	0.337	0.310	0	0	0	0	---	---	7
8	---	---	0 B	0.277	0.304	0.385	0	0	0	0	---	---	8
9	---	---	0 B	0.255	0.289	0.387	0	0	0	0	---	---	9
10	---	---	0 B	0.248	0.281	1.28	0.002	0	0	0	---	---	10
11	---	---	0 B	0.267	0.237	0.384	0.025	0	0	0	---	---	11
12	---	---	0 B	0.388	0.224	0.281	0.034	0.018	0	0	---	---	12
13	---	---	0 B	0.425	0.232	0.283	0.035	0.028	0	0	---	---	13
14	---	---	0 B	1.93	0.227	0.197	0.035	0.032	0	0	---	---	14
15	---	---	0 B	0.845	0.221	0.175	0.027	0.059	0	0.090	---	---	15
16	---	---	0 B	0.418	0.211	0.234	0.022	0.038	0	0.788	---	---	16
17	---	---	0 B	0.388	0.209E	0.272	0.019	0.033	0	0.618	---	---	17
18	---	---	0 B	0.381	0.212E	0.388	0.017	0.026	0	0.476	---	---	18
19	---	---	0 B	0.237	0.221E	0.272	0.012	0.022	0	0.842	---	---	19
20	---	---	0 B	0.200	0.236E	0.178	0.008	0.043	0	0.872	---	---	20
21	---	---	0.038B	0.180	0.268E	0.151	0.005	0.057	0	1.04	---	---	21
22	---	---	0.065B	0.139	0.260E	0.188	0.007	0.038	0	0.819	---	---	22
23	---	---	0.170B	0.122	0.277E	0.132	0.005	0.027	0	0.536	---	---	23
24	---	---	0.305B	0.168	0.228E	0.114	0.004	0.026	0	0.382	---	---	24
25	---	---	0.892B	0.106	0.250E	0.118	0.004	0.028	0	0.290	---	---	25
26	---	---	1.00 B	0.080	0.275E	0.122	0.005	0.023	0	0.285	---	---	26
27	---	---	0.868B	0.073B	0.275E	0.122	0.004	0.010	0	0.222	---	---	27
28	---	---	0.606B	0.078B	0.278A	0.108	0.002	0	0	0.188	---	---	28
29	---	---	0.418B	0.070B	0.252	0.068	0.001	0	0	0.184	---	---	29
30	---		0.368B	0.068B	0.174	0.070	0.000	0	0	0.1488	---	---	30
31	---		0.348B		0.180		0.000	0		0.1278		---	31
TOTAL	---	---	5.940	5.991	8.959	5.714	0.470	0.508	0	7.938	---	---	TOTAL
MEAN	---	---	0.183	0.300	0.378	0.224	0.015	0.018	0	0.243	---	---	MEAN
MAX	---	---	1.00	1.93	0.514	1.28	0.057	0.059	0	1.04	---	---	MAX
MIN	---	---	0	0.073	0.180	0.070	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.154
MAXIMUM DAILY, 1.93 ON APR 14
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.04 AT 19:20 CST ON APR 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 56 00 N
LONG 95 55 50 W
DRAINAGE AREA, 155 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	60.8
FEB	---	AUG	43.8
MAR	635	SEP	0
APR	777	OCT	850
MAY	739	NOV	---
JUN	589	DEC	---

TOTAL DISCHARGE, 3 270 dam³

WHITEMOUTH LAKE NEAR THE OUTLET - STATION NO. 05PH005

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	344.000	344.035	343.948	344.096	344.012	343.877	343.832	---	---	1
2	---	---	---	343.998	344.037	343.940	344.100	344.008	343.876	343.798	---	---	2
3	---	---	---	343.998	344.036	343.938	344.078	344.006	343.868	343.807	---	---	3
4	---	---	---	344.000	344.035	343.947	344.071	344.003	343.868	343.814	---	---	4
5	---	---	---	344.000	344.030	343.952	344.082	344.000	343.878	343.830	---	---	5
6	---	---	---	344.000	344.036	343.972	344.083	343.994	343.924	343.811	---	---	6
7	---	---	---	344.000	343.990	343.988	344.081	343.987	343.882	343.808	---	---	7
8	---	---	---	344.000	343.982	343.998	344.081	343.978	343.889	343.808	---	---	8
9	---	---	---	344.001	344.024	344.040	344.086	343.972	343.847	343.814	---	---	9
10	---	---	---	344.003	344.039	344.038	344.083	343.981	343.848	343.830	---	---	10
11	---	---	---	344.017	344.002	344.082	344.052	343.953	343.885	343.884	---	---	11
12	---	---	---	344.031	344.027	344.058	344.080	343.986	343.871	343.862	---	---	12
13	---	---	---	344.033	344.012	344.058	344.071	343.994	343.837	343.821	---	---	13
14	---	---	---	344.034	344.023	344.078	344.052	343.977	343.840	343.808	---	---	14
15	---	---	---	344.034	344.036	344.087	344.020	343.948	343.848	343.885	---	---	15
16	---	---	---	344.034	344.052	344.084	344.035	343.985	343.888	343.933	---	---	16
17	---	---	---	344.034	344.023	344.090	344.030	343.940	343.889	343.867	---	---	17
18	---	---	---	344.035	343.981	344.078	344.048	343.945	343.832	343.873	---	---	18
19	---	---	---	344.037	343.988	344.084	344.026	343.955	343.831	343.888	---	---	19
20	---	---	---	344.039	344.001	344.088	344.037	343.953	343.830	343.888	---	---	20
21	---	---	---	344.041	344.008	344.107	344.044	343.922	343.884	343.904	---	---	21
22	---	---	---	344.038	343.978	344.098	344.020	343.921	343.858	343.908	---	---	22
23	---	---	---	344.037	343.984	344.085	344.008	343.938	343.808	343.918	---	---	23
24	---	---	---	344.038	343.978	344.080	344.015	343.950	343.803	343.907	---	---	24
25	---	---	---	344.028	343.971	344.085	344.014	343.935	343.807	343.919	---	---	25
26	---	---	---	344.013	343.988	344.078	344.018	343.932	343.823	343.933	---	---	26
27	---	---	344.045A	344.047	343.974	344.085	304.022	343.918	343.811	343.884	---	---	27
28	---	---	344.041	344.037	343.978	344.105	344.022	343.903	343.813	343.918	---	---	28
29	---	---	344.043	344.027	343.978	344.108	344.028	343.897	343.815	343.946E	---	---	29
30	---		344.044	343.984	343.980	344.120	344.028	343.888	343.812	343.938A	---	---	30
31	---		344.017		343.978		344.014	343.872		343.918		---	31
MEAN	---	---	---	344.021	344.004	344.049	344.048	343.957	343.847	343.867	---	---	MEAN
MAX	---	---	---	344.047	344.052	344.120	344.100	344.012	343.924	343.938	---	---	MAX
MIN	---	---	---	343.984	343.962	343.938	344.008	343.888	343.803	343.788	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 344.120 ON JUN 30

MAXIMUM INSTANTANEOUS,
344.130 AT 10:22 CST ON JUN 30

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 40 N
LONG 95 41 50 W

A - MANUAL GAUGE

E - ESTIMATED

REGULATED

WHITEMOUTH RIVER NEAR WHITEMOUTH - STATION NO. 05PH003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.458B	0.188B	0.252B	5.51B	5.80	3.13	34.2	5.56	0.292	0.098	19.2 B	2.95 B	1
2	0.306B	0.191B	0.240B	5.90B	5.41	2.88	30.6	5.44	0.281	0.110	15.6 B	2.95 E	2
3	0.266B	0.189B	0.548B	5.94B	5.02	2.59	27.4	5.99	0.287	0.115	17.2 B	3.11 B	3
4	0.219B	0.187B	0.539B	5.23B	5.55	2.34	25.1	5.15	0.310	0.130	17.0 B	1.85 B	4
5	0.301B	0.127B	0.545B	5.14B	5.17	2.23	21.1	4.36	0.303	0.161	13.7 B	1.33 B	5
6	0.235B	0.061B	0.268B	5.73B	4.82	2.54	18.3	3.77	0.286	0.191	11.6 B	1.16 B	6
7	0.234B	0.101B	0.612B	5.47B	5.02	3.49	18.1	3.31	0.254	0.198	10.6 B	0.952B	7
8	0.288B	0.103E	0.470B	5.58B	5.26	8.65	14.6	2.98	0.248	0.193	10.2 B	0.883B	8
9	0.298B	0.082B	0.489B	5.77B	5.97	37.1	13.4	2.75	0.228	0.286	9.31B	0.801B	9
10	0.218B	0.049B	0.854B	4.95	8.03	86.5	12.1	2.64	0.210	0.390	8.92B	0.903B	10
11	0.120B	0.040B	0.775B	4.41	5.86	80.1	10.7	2.43	0.180	0.320	8.18B	0.952B	11
12	0.181B	0.038B	0.780B	4.22	5.91	68.7	9.37	2.27	0.192	0.257	7.28B	1.01 B	12
13	0.094B	0.050B	0.768B	4.58	5.92	61.7	9.51	2.15	0.252	0.205	7.02B	0.850B	13
14	0.090B	0.065B	0.849B	5.51	5.82	82.5	13.1	2.06	0.231	0.183	6.80B	0.880B	14
15	0.073B	0.081B	0.861B	5.34	5.28	89.3	17.6	1.92	0.233	0.357	6.40B	0.863B	15
16	0.184B	0.140B	1.09 B	4.97	4.92	86.5	18.9	1.78	0.217	0.570	5.80B	0.885B	16
17	0.132B	0.186B	1.17 B	4.54	4.55	84.6	18.5	1.73	0.172	0.817	4.49B	0.821B	17
18	0.106B	0.184B	1.20 B	4.17	4.13	80.3	18.2	1.58	0.214	1.88	3.60B	0.689B	18
19	0.070B	0.189B	1.24 B	3.91	3.87	68.0	15.8	1.41	0.236	3.84	3.68B	0.885B	19
20	0.059B	0.185B	1.24 B	3.83	3.78	64.0	13.8	1.26	0.184	6.34	4.12B	0.910B	20
21	0.048B	0.182B	1.24 B	3.34	4.03	48.3	11.3	1.16	0.158	14.7	3.54B	0.847B	21
22	0.058B	0.163B	1.33 B	3.11	4.44	44.8	9.88	1.06	0.161	19.8	3.07B	0.798B	22
23	0.068B	0.145B	1.44 B	2.88	5.24	46.0	8.54	0.995	0.138	21.8	2.76B	0.853B	23
24	0.065B	0.130B	1.63 B	2.88	5.77	48.6	7.39	0.868	0.125	22.3	2.61B	0.801B	24
25	0.111B	0.124B	1.88 B	2.80	5.40	47.2	8.42	0.787	0.124	21.8	2.53B	0.488B	25
26	0.103B	0.148B	1.97 B	2.75	5.03	43.5	8.47	0.718	0.108	20.8	2.73B	0.470B	26
27	0.115B	0.221B	2.24 B	3.08	4.65	47.7	8.53	0.648	0.094	20.5	3.20B	0.488B	27
28	0.187B	0.278B	5.56 B	3.86	4.29	47.8	7.95	0.588	0.085	20.5	3.33B	0.538B	28
29	0.202B	0.268B	11.0 B	5.03	3.92	42.4	7.33	0.483	0.078	20.4	3.80B	0.817B	29
30	0.208B		9.81 B	5.73	3.67	36.5	7.13	0.434	0.068	18.0 B	3.33B	0.554B	30
31	0.204B		8.33 B		3.34		6.81	0.389		10.6 B		0.537B	31
TOTAL	5.457	4.178	61.227	141.04	156.48	1 170.26	443.74	70.818	5.860	229.727	218.98	30.052	TOTAL
MEAN	0.176	0.144	1.98	4.70	5.05	39.0	14.3	2.28	0.195	7.41	7.30	0.971	MEAN
MAX	0.458	0.278	11.0	5.90	8.80	89.5	36.2	5.56	0.310	22.3	17.2	2.95	MAX
MIN	0.048	0.038	0.240	2.75	3.34	2.23	6.42	0.389	0.078	0.098	2.53	0.470	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 8.93
MAXIMUM DAILY, 89.5 ON JUN 14
MINIMUM DAILY, 0.038B ON FEB 12
MAXIMUM INSTANTANEOUS,
93.1 AT 06:47 CST ON JUN 14

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 55 20 N
LONG 95 57 20 W
DRAINAGE AREA, 3 700 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	471	JUL	38 300
FEB	361	AUG	6 100
MAR	5 290	SEP	515
APR	12 200	OCT	19 800
MAY	13 500	NOV	18 900
JUN	101 000	DEC	2 600

TOTAL DISCHARGE, 319 000 dam³

WHITEMUD RIVER ABOVE NEEPAWA RESERVOIR - STATION NO 05LL013

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 1948	0 4648	0 467	0.237	0.210	0.955	0.184E	0 470	---	---	1
2	---	---	0 1948	0 5288	0 538	0.216	0.200	0.959	0.200A	0 521	---	---	2
3	---	---	0 1948	0 5388	0 588	0.206	0 195	0 883	0 209	0 534	---	---	3
4	---	---	0 1948	0 5288	0 678	0 218	0 190	0 857	0 232	0 482	---	---	4
5	---	---	0 1948	0 5108	0 868	0.234	0 184	0.971	0 252	0 483	---	---	5
6	---	---	0 1948	0 4938	0 613	0 244	0 184	0 863	0 243	0 492	---	---	6
7	---	---	0 1948	0 4C48	0 480	0 278	0 181	0 884	0 282	0 497	---	---	7
8	---	---	0 1948	0 4298	0 451	0 280	0 178	0 885	0 283	0 506	---	---	8
9	---	---	0 1948	0 4028	0 423	0 285	0.173	0 883	0 271	0 508	---	---	9
10	---	---	0 1948	0 3848	0 410	0 277	0 181	0 887	0 260	0 518	---	---	10
11	---	---	0 1948	0 3638	0 402	0 271	0.180	0.881	0 281	0 588	---	---	11
12	---	---	0 1948	0 3578	0 388	0 288	0 162	0 887	0 318	0 812	---	---	12
13	---	---	0 1948	0 3568	0 386	0 338	0.138	0 102	0 328	0 810	---	---	13
14	---	---	0 1948	0 3568	0 358E	0 288	0 130	0 104	0 318	0 595	---	---	14
15	---	---	0 1948	0 3578	0 351E	0 288	0 123	0 104	0 318	0 618	---	---	15
16	---	---	0 1948	0 358E	0 344A	0.282	0 114	0 108E	0 317	0 712	---	---	16
17	---	---	0 1948	0 358E	0 347	0 300	0 110	0 112E	0 321	0 708	---	---	17
18	---	---	0 1948	0 351E	0 350	0 288	0 106	0 116E	0 324	0 728	---	---	18
19	---	---	0 1948	0 344E	0 317	0 287	0 100	0 121E	0 330	0 737	---	---	19
20	---	---	0 1948	0 368E	0 318	0 287	0 095	0 132E	0 340	0 805	---	---	20
21	---	---	0 2008	0 372E	0 318	0 283	0 088	0 135E	0 381	0 818	---	---	21
22	---	---	0 2508	0 378E	0 287	0 288	0 078	0 138E	0 381	0 818	---	---	22
23	---	---	0 3178	0 382E	0 291	0 312	0 071	0 144E	0 400	0 770	---	---	23
24	---	---	0 3788	0 388E	0 283	0 338	0 070	0 148E	0 404	0 708	---	---	24
25	---	---	0 3828	0 398	0 278	0 328	0 068	0 153E	0 405	0 870	---	---	25
26	---	---	0 3408	0 408	0 268	0 302	0 065	0 158E	0 410	0 860	---	---	26
27	---	---	0 3178	0 424	0 267	0 278	0 062	0 164E	0 412	0 833	---	---	27
28	---	---	0 3388	0 438	0 263	0 263	0 059	0 169E	0 415	0 5248	---	---	28
29	---	---	0 3508	0 458	0 251	0 233	0 056	0 175E	0 417	0 4818	---	---	29
30	---	---	0 3608	0 488	0 250	0 212	0 054	0 183E	0 432	0 3828	---	---	30
31	---		0 4358		0 245		0 052	0 180E		0 3218		---	31
TOTAL	---	---	7 545	12 444	11 784	8.248	3.788	3 581	9 647	18 394	---	---	TOTAL
MEAN	---	---	0 243	0 415	0 380	0 275	0 122	0 116	0 322	0 593	---	---	MEAN
MAX	---	---	0 435	0 538	0 678	0 338	0 210	0 184	0 432	0 818	---	---	MAX
MIN	---	---	0 184	0 358	0 245	0 208	0 052	0 055	0 184	0 321	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0 368
MAXIMUM DAILY, 0 818 ON OCT 22
MINIMUM DAILY, 0 052 ON JUL 31
MAXIMUM INSTANTANEOUS,
0 879 AT 23 21 CST ON MAY 4

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 10 54 N
LONG 99 23 55 W
DRAINAGE AREA, 614 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	327
FEB	---	AUG	309
MAR	852	SEP	834
APR	1 080	OCT	1 590
MAY	1 020	NOV	---
JUN	713	DEC	---

TOTAL DISCHARGE, 6 530 dam³

WHITEMUD RIVER AT WESTBOURNE - STATION NO 05LL002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0 1378	0 2888	1 24 B	6 638	4 36	3 05	2 04	0 485	0 242	0 502	1 85	0 8988	1
2	0 1888	0 2918	1 17 B	6 888	4 51	2 74	1 88	0 470	0 219	0 582	1 72	1 15 B	2
3	0 1908	0 2888	1 09 B	6 228	4 88	2 52	1 81	0 449	0 172	0 588	1 81	1 41 B	3
4	0 2128	0 2858	1 05 B	7 888	10 6	2 12	1 88	0 481	0 189	0 587	1 37	1 50 B	4
5	0 2318	0 2808	1 05 B	7 748	12 8	2 12	1 59	0 830	0 121	0 584	1 14	1 28 B	5
6	0 2578	0 2678	0 9578	7 738	13 6	2 15	1 45	1 02	0 084	0 602	1 20	1 01 B	6
7	0 2788	0 2708	0 9488	7 738	12 8	2 58	1 28	0 843	0 087	0 634	1 11 B	0 9158	7
8	0 3228	0 2708	0 9508	7 598	11 8	2 46	1 22	0 488	0 088	0 724	1 11 B	0 9108	8
9	0 3508	0 2708	0 9198	6 61	12 4	3 20	1 15	0 497	0 071	0 835	1 08 B	0 8788	9
10	0 3638	0 2668	0 7748	6 34	9 92	5 00	1 08	0 845	0 071	1 11	1 01 B	0 8078	10
11	0 3488	0 2678	0 6618	6 24	8 85	5 26	1 14	0 882	0 084	1 70	0 9838	0 7808	11
12	0 3048	0 2688	0 4488	6 05	7 86	5 53	1 20	0 855	0 175	1 85	0 9818	0 7318	12
13	0 2958	0 2728	0 4468	6 81	7 46	4 81	1 20	0 488	0 208	1 38	0 9808	0 7328	13
14	0 2718	0 2848	0 4488	6 41	6 86	4 13	1 10	0 481	0 201	2 20	0 9858	0 6888	14
15	0 2138	0 2908	0 3898	9 34	6 10	3 76	1 12	0 441	0 205	3 34	0 9848	0 6858	15
16	0 2008	0 2908	0 3898	9 88	5 84	3 48	1 14	0 407	0 255	4 28	0 9888	0 5848	16
17	0 2488	0 2888	0 4048	9 26	5 83	3 10	1 11	0 415	0 278	3 07	0 9338	0 5538	17
18	0 3518	0 3228	0 4128	8 12	4 83	2 86	0 967	0 334	0 447	3 84	0 9088	0 5548	18
19	0 3868	0 3718	0 4108	7 39	4 06	3 27	0 831	0 328	0 451	5 86	0 8248	0 5518	19
20	0 3868	0 3718	0 4088	6 86	4 11	3 80	0 783	0 333	0 421	7 53	0 7588	0 5228	20
21	0 3418	0 3878	0 4278	5 77	4 25	3 70	0 783	0 294	0 431	7 19	0 7408	0 4988	21
22	0 3978	0 3728	0 5338	4 84	4 22	4 05	0 737	0 286	0 410	7 54	0 7318	0 4978	22
23	0 2448	0 4188	1 01 B	4 46	4 20	3 58	0 887	0 288	0 403	8 02	0 7228	0 4888	23
24	0 2488	0 4868	1 93 B	4 32	4 18	2 82	0 840	0 280	0 388	8 08	0 7198	0 4888	24
25	0 2688	0 8328	3 44 B	4 25	4 20	2 86	0 448	0 318	0 336	8 08 A	0 7818	0 4388	25
26	0 2868	0 7418	5 00 B	4 02	4 21	2 44	0 418	0 338	0 323	7 55 E	1 47 B	0 4388	26
27	0 3068	0 8198	5 17 B	4 46	4 16	2 42	0 488	0 312	0 387	8 58 E	1 30 B	0 4348	27
28	0 3238	1 01 B	5 84 B	2 59	4 10	2 37	0 488	0 278	0 389	8 03 E	1 04 B	0 4388	28
29	0 3238	1 20 B	5 90 B	3 38	3 87	2 37	0 480	0 262	0 427	4 87 E	1 00 B	0 4448	28
30	0 3088		10 3 B	4 26	3 47	2 22	0 488	0 260	0 438	3 84 E	1 01 B	0 4488	30
31	0 2918		9 80 B		3 18		0 478	C 250		3 07 A		0 4858	31
TOTAL	8.721	11 883	74 830	157 70	203 76	98 78	31 873	13 427	8 002	112 843	31 958	22 287	TOTAL
MEAN	0.281	0 409	2.41	5 59	6 57	3 23	1 03	0 433	0 267	3 63	1 07	0 718	MEAN
MAX	0 388	1 20	10 3	9 88	13.6	5 53	2 04	1 02	0 451	8 08	1 85	1 50	MAX
MIN	0.137	0 267	0 388	2 59	3 18	2 12	0 418	0 250	0 087	0 502	0 719	0 434	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 2.82
MAXIMUM DAILY, 13 6 ON MAY 6
MINIMUM DAILY, 0 087 ON SEP 7
MAXIMUM INSTANTANEOUS,
13 8 AT 23:40 CST ON MAY 8

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 06 03 N
LONG 99 35 00 W
DRAINAGE AREA, 6 320 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1980

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	783	JUL	2 750
FEB	1 020	AUG	1 180
MAR	6 480	SEP	851
APR	17 100	OCT	8 730
MAY	17 800	NOV	3 780
JUN	8 380	DEC	1 820

TOTAL DISCHARGE, 70 300 dam³

WHITEMUD RIVER NEAR KEYES - STATION NO 05LL008

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.093B	0.085B	0.264B	1.50 B	1.50	0.835	0.837	0.121	0.100	0.385	0.425B	0.275B	1
2	0.094B	0.089B	0.274B	1.26 B	1.93	0.805	0.585	0.088	0.084	0.343	0.330B	0.289B	2
3	0.099B	0.092B	0.275B	1.20 B	2.48	0.555	0.472	0.087	0.079	0.377	0.333B	0.257B	3
4	0.110B	0.096B	0.276B	1.22 B	3.69	0.497	0.363	0.099	0.083	0.425	0.336B	0.251B	4
5	0.129B	0.100B	0.286B	1.23 B	5.24	0.732	0.320	0.135	0.085	0.436	0.340B	0.237B	5
6	0.151B	0.102B	0.256B	1.33 B	4.88	0.488	0.270	0.222	0.088	0.455	0.337B	0.214B	6
7	0.159B	0.102B	0.256B	1.43 B	7.51	0.582	0.223	0.168	0.092	0.486	0.336B	0.231B	7
8	0.158B	0.104B	0.250B	1.44 B	6.72	0.738	0.209	0.153	0.100	0.538	0.349B	0.239B	8
9	0.163B	0.107B	0.247B	2.11 B	5.18	0.834	0.202	0.260	0.107	0.559	0.346B	0.247B	9
10	0.159B	0.110B	0.246B	1.89	3.76	0.874	0.191	0.202	0.107	0.508	0.332B	0.249B	10
11	0.143B	0.113B	0.243B	1.87	2.87	0.807	0.184	0.158	0.182	0.550	0.315B	0.246B	11
12	0.123B	0.115B	0.243B	2.23	2.16	0.754	0.180	0.129	0.217	0.595	0.314B	0.216B	12
13	0.110B	0.128B	0.244B	3.73	1.81	0.762	0.176	0.124	0.232	0.635	0.313B	0.187B	13
14	0.101B	0.148B	0.242B	5.24	1.75	0.704	0.165	0.130	0.187	0.655	0.321B	0.146B	14
15	0.094B	0.153B	0.246B	4.97	1.88	0.857	0.138	0.153	0.178	0.651	0.326B	0.153B	15
16	0.091B	0.187B	0.255B	4.71	1.52	0.894	0.128	0.168	0.224	0.958	0.285B	0.160B	16
17	0.088B	0.187B	0.264B	3.18	1.44	0.784	0.125	0.132	0.252	0.837	0.272B	0.152B	17
18	0.084B	0.187B	0.266B	2.30	1.28	0.871	0.119	0.124	0.253	0.881	0.237B	0.136B	18
19	0.079B	0.210B	0.268B	1.93	1.10	0.879	0.111	0.118	0.253	0.894	0.225B	0.123B	19
20	0.072B	0.254B	0.289B	1.51	0.980	0.885	0.108	0.114	0.218	1.01	0.220B	0.116B	20
21	0.065B	0.313B	0.271B	1.22	0.916	0.814	0.088	0.117	0.270	1.08	0.230B	0.116B	21
22	0.063B	0.396B	0.416B	1.11	0.955	0.752	0.080	0.144	0.331	1.09	0.247B	0.115B	22
23	0.064B	0.437B	0.577B	1.03	0.879	0.739	0.084	0.118	0.355	0.990	0.262B	0.101B	23
24	0.067B	0.428B	0.735B	0.941	0.952	0.753	0.083	0.141	0.382	0.879	0.271B	0.086B	24
25	0.071B	0.399B	0.812B	0.893	0.888	0.781	0.080	0.220	0.351	0.763	0.274B	0.073B	25
26	0.072B	0.340B	1.03 B	0.881	0.854	0.723	0.080	0.147	0.330	0.727	0.291B	0.059B	26
27	0.073B	0.320B	1.34 B	0.832	0.929	0.864	0.083	0.081	0.312	0.701	0.278B	0.055B	27
28	0.075B	0.306B	2.02 B	0.802	0.780	0.729	0.073	0.088	0.334	0.679	0.276B	0.057B	28
29	0.078B	0.290B	1.72 B	0.561	0.728	0.864	0.069	0.083	0.344	0.649B	0.266B	0.060B	29
30	0.081B		1.44 B	0.512	0.887	0.647	0.132	0.111	0.385	0.572B	0.270B	0.063B	30
31	0.083B		1.61 B		0.833		0.125	0.111		0.508B		0.065B	31
TOTAL	3.092	5.889	17.245	54.582	68.509	21.814	5.923	4.227	6.564	20.929	8.988	4.936	TOTAL
MEAN	0.100	0.203	0.556	1.82	2.21	0.727	0.191	0.136	0.219	0.675	0.299	0.159	MEAN
MAX	0.163	0.437	2.02	5.24	7.51	0.879	0.837	0.260	0.385	1.09	0.425	0.275	MAX
MIN	0.063	0.085	0.242	0.512	0.833	0.488	0.069	0.069	0.079	0.343	0.220	0.055	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.608
MAXIMUM DAILY, 7.51 ON MAY 7
MINIMUM DAILY, 0.055B ON DEC 27
MAXIMUM INSTANTANEOUS,
8.18 AT 10:13 CST ON MAY 7

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 11 15 N
LONG 99 06 10 W
DRAINAGE AREA, 1 750 km²

B - ICE CONDITIONS

REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	267	JUL	512
FEB	509	AUG	365
MAR	1 490	SEP	567
APR	4 720	OCT	1 810
MAY	5 920	NOV	776
JUN	1 880	DEC	426

TOTAL DISCHARGE, 19 200 dam³

WHITEMUD RIVER NEAR NEEPAWA - STATION NO 05LL011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.179B	0.167	0.403	0.284	0.299	0.192	0.164	0.184A	---	---	1
2	---	---	0.179B	0.222	0.641	0.256	0.265	0.210	0.165	0.184E	---	---	2
3	---	---	0.179B	0.247	0.951	0.303	0.242	0.235	0.168	0.184E	---	---	3
4	---	---	0.179B	0.252	1.12	0.190	0.227	0.233	0.175	0.172E	---	---	4
5	---	---	0.181B	0.233	1.43	0.288	0.217	0.267	0.177A	0.177E	---	---	5
6	---	---	0.181B	0.342	1.49	0.240	0.216	0.257	0.185A	0.174A	---	---	6
7	---	---	0.182B	0.442	1.24	0.361	0.223	0.231	0.187E	0.174E	---	---	7
8	---	---	0.182B	0.465	1.00	0.388	0.232	0.236	0.190E	0.174E	---	---	8
9	---	---	0.183B	0.495	0.846	0.403	0.224	0.241	0.195E	0.182A	---	---	9
10	---	---	0.183B	0.576	0.716	0.428	0.223	0.247	0.201A	0.190A	---	---	10
11	---	---	0.184B	0.881	0.549	0.430	0.220	0.243	0.204A	0.195A	---	---	11
12	---	---	0.184B	0.911	0.562	0.393	0.237	0.247	0.214A	0.195A	---	---	12
13	---	---	0.185B	1.06	0.632	0.494	0.238	0.241	0.214E	0.190E	---	---	13
14	---	---	0.186B	1.14	0.701	0.534	0.241	0.225	0.186A	0.195E	---	---	14
15	---	---	0.187B	1.04	0.679	0.500	0.248	0.222	0.150E	0.214A	---	---	15
16	---	---	0.187B	0.926	0.611	0.487	0.233	0.226	0.150E	0.220A	---	---	16
17	---	---	0.188B	0.782	0.436	0.508	0.230	0.211	0.150A	0.211A	---	---	17
18	---	---	0.188B	0.635	0.340	0.404	0.229	0.211	0.150A	0.220A	---	---	18
19	---	---	0.189B	0.505	0.385	0.382	0.238	0.206	0.150A	0.220A	---	---	19
20	---	---	0.189E	0.408	0.412	0.292	0.240	0.209	0.150A	0.228E	---	---	20
21	---	---	0.190E	0.341	0.439	0.270	0.242	0.201	0.204A	0.229E	---	---	21
22	---	---	0.190E	0.295	0.395	0.260	0.238	0.186	0.193E	0.239E	---	---	22
23	---	---	0.191E	0.315	0.375	0.379	0.245	0.180	0.153E	0.242E	---	---	23
24	---	---	0.191E	0.283	0.386	0.402	0.235	0.175	0.150A	0.248E	---	---	24
25	---	---	0.192E	0.238	0.385	0.420	0.205	0.168	0.158A	0.251E	---	---	25
26	---	---	0.192E	0.207	0.369	0.370	0.145	0.158	0.164A	0.254E	---	---	26
27	---	---	0.193E	0.266	0.356	0.464	0.149	0.162	0.164A	0.258E	---	---	27
28	---	---	0.264	0.279B	0.381	0.491	0.180	0.157	0.150A	0.261B	---	---	28
29	---	---	0.353	0.318B	0.380	0.436	0.167	0.161	0.182E	0.261B	---	---	29
30	---		0.229	0.301	0.381	0.354	0.190	0.164	0.190E	0.254B	---	---	30
31	---		0.186		0.359		0.190	0.175		0.251B		---	31
TOTAL	---	---	6.046	14.472	19.292	11.245	6.886	6.495	5.199	6.568	---	---	TOTAL
MEAN	---	---	0.195	0.482	0.622	0.375	0.222	0.210	0.173	0.212	---	---	MEAN
MAX	---	---	0.353	1.14	1.49	0.534	0.299	0.267	0.214	0.261	---	---	MAX
MIN	---	---	0.179	0.167	0.340	0.190	0.145	0.156	0.150	0.164	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.311
MAXIMUM DAILY, 1.49 ON MAY 6
MINIMUM DAILY, 0.145 ON JUL 26
MAXIMUM INSTANTANEOUS,
1.60 AT 10:47 CST ON MAY 6

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 13 34 N
LONG 99 27 17 W
DRAINAGE AREA, 803 km²
A - MANUAL GAUGE
B - ICE CONDITIONS
E - ESTIMATED
REGULATED SINCE 1960

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	595
FEB	---	AUG	561
MAR	522	SEP	449
APR	1 250	OCT	568
MAY	1 670	NOV	---
JUN	972	DEC	---

TOTAL DISCHARGE, 6 590 dam³

WHITESHELL LAKE AT CAMPGROUND - STATION NO 05PE001

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	310.148	---	---	---	---	---	---	1
2	---	---	---	---	310.048	310.148E	---	310.817	---	---	---	---	2
3	---	---	---	---	---	310.182E	---	---	---	310.187	---	---	3
4	---	---	---	---	---	310.156	310.884	---	---	---	---	---	4
5	---	---	---	---	---	310.178E	---	---	---	---	---	---	5
6	---	---	---	---	---	310.196	---	---	---	---	---	---	6
7	---	---	---	---	---	310.198E	---	---	---	---	---	---	7
8	---	---	---	---	310.032	310.196	---	---	---	---	---	---	8
9	---	---	---	---	310.048E	310.193E	---	---	---	---	---	---	9
10	---	---	---	---	310.064E	310.190E	---	---	---	---	---	---	10
11	---	---	---	---	310.081	310.186	---	---	---	---	---	---	11
12	---	---	---	---	310.062E	310.248E	310.805	---	---	---	---	---	12
13	---	---	---	---	310.064E	310.304E	---	---	---	---	---	---	13
14	---	---	---	---	310.066	310.364	---	---	---	---	---	---	14
15	---	---	---	---	310.068	---	---	---	---	---	---	---	15
16	---	---	---	---	310.068E	---	---	---	---	---	---	---	16
17	---	---	---	---	310.068E	---	---	---	---	---	---	---	17
18	---	---	---	---	310.068	---	310.595	---	---	---	---	---	18
19	---	---	---	---	310.068E	---	---	---	---	---	---	---	19
20	---	---	---	---	310.102E	310.474	---	---	---	---	---	---	20
21	---	---	---	---	310.106	---	---	---	---	---	310.424	---	21
22	---	---	---	---	310.112E	---	---	---	---	310.287	---	---	22
23	---	---	---	---	310.132	---	---	310.336	---	---	---	---	23
24	---	---	---	---	310.134E	---	---	---	---	---	---	---	24
25	---	---	---	---	310.136	---	---	---	---	---	---	---	25
26	---	---	309.812	---	310.138E	---	---	---	---	---	---	---	26
27	---	---	---	---	310.138E	310.594	310.535	---	310.177	---	---	---	27
28	---	---	---	---	310.136	310.654E	---	---	---	---	---	---	28
29	---	---	---	---	310.141E	310.654	---	---	---	---	---	---	29
30	---		---	---	310.146	---	---	---	---	---	---	---	30
31	---		---		310.148E		---	---		---		---	31
MEAN	---	---	---	---	---	---	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	---	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	---	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 05 00 N
LONG 95 21 30 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WHITESHELL RIVER AT OUTLET OF JESSICA LAKE - STATION NO 05PE001

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.821	0.486	0.581	0.432	0.119	0.249	5.94	3.10	0.470	0.333	3.58	4.75	1
2	0.805	0.475	0.588	0.354	0.147	0.234	5.95	2.99	0.474	0.331	3.57	4.76	2
3	0.785	0.482	0.588	0.306	0.183	0.210	5.81	2.88	0.478	0.325	3.58	4.75	3
4	0.788	0.487	0.578	0.184	0.140	0.226	5.48	2.81	0.489	0.319	3.62	4.74	4
5	0.785	0.491	0.573	0.170	0.047	0.210	5.43	2.74	0.459	0.329	3.64	4.72	5
6	0.762	0.487	0.569	0.151	0.040	0.491	5.33	2.65	0.411	0.327	3.67	4.80	6
7	0.747	0.482	0.567	0.132	0.047	0.864	5.18	2.57	0.372	0.328	3.70	4.51	7
8	0.740	0.476	0.564	0.112	0.054	1.11	5.17	2.46	0.384	0.330	4.46	4.44	8
9	0.735	0.470	0.556	0.102	0.050	1.53	5.89	2.37	0.361	0.334	4.62	4.43	9
10	0.724	0.473	0.545	0.101	0.048	1.72	5.82	2.38	0.356	0.340	4.73	4.44	10
11	0.713	0.472	0.532	0.118	0.062	1.87	5.73	2.36	0.352	0.356	4.64	4.45	11
12	0.702	0.467	0.527	0.124	0.061	2.08	5.83	2.30	0.357	0.357	4.60	4.37	12
13	0.682	0.463	0.518	0.128	0.064	3.34	7.07	2.25	0.362	0.358	4.55	4.29	13
14	0.673	0.461	0.526	0.126	0.063	4.67	6.54	2.18	0.351	0.360	4.58	4.21	14
15	0.659	0.470	0.541	0.118	0.054	4.55	5.82	1.98	0.350	0.530	4.67	4.11	15
16	0.658	0.553	0.521	0.116	0.073	4.65	5.62	2.02	0.361	0.716	4.62	4.31	16
17	0.644	0.653	0.502	0.132	0.071	4.81	5.40	1.83	0.333	0.723	4.60	4.24	17
18	0.629	0.648	0.486	0.984	0.049	5.34	5.20	1.81	0.328	0.760	4.61	4.22	18
19	0.613	0.636	0.465	0.201	0.050	5.51	4.66	1.82	0.331	0.829	4.53	4.13	19
20	0.600	0.626	0.461	0.180	0.067	5.33	4.78	1.78	0.331	1.13	4.48	3.98	20
21	0.586	0.626	0.436	0.133	0.188	5.37	4.66	1.81	0.336	1.22	4.47	3.84	21
22	0.582	0.618	0.424	0.134	0.185	5.36	4.34	1.82	0.341	1.32	4.52	3.88	22
23	0.571	0.602	0.414	0.132	0.181	5.33	4.10	1.88	0.328	2.94	4.55	3.78	23
24	0.567	0.598	0.390	0.108	0.232	5.26	3.97	1.86	0.328	7.06	4.57	3.71	24
25	0.536	0.598	0.387	0.100	0.241	5.21	3.82	1.81	0.331	7.71	4.59	3.61	25
26	0.530	0.603	0.383	0.131	0.244	5.88	3.71	1.48	0.338	3.61	4.68	3.61	26
27	0.514	0.595	0.380	0.136	0.248	7.11	3.61	1.39	0.332	3.31	4.77	3.44	27
28	0.524	0.592	0.377	0.113	0.253	7.17	3.61	1.31	0.333	3.42	4.78	3.44	28
29	0.514	0.580	0.387	0.084	0.258	7.21	3.60	0.863	0.328	3.49	4.78	3.47	29
30	0.500		0.395	0.110	0.256	7.17	3.38	0.496	0.339	3.61	4.76	3.43	30
31	0.498		0.404		0.258		3.20	0.478		3.53		3.38	31
TOTAL	20.108	15.867	15.196	5.306	4.044	117.854	152.86	61.220	10.863	51.158	131.89	126.02	TOTAL
MEAN	0.649	0.540	0.488	0.177	0.130	3.92	5.24	1.97	0.388	1.95	4.39	4.13	MEAN
MAX	0.821	0.653	0.588	0.984	0.258	7.21	7.07	3.10	0.478	7.71	4.62	4.76	MAX
MIN	0.498	0.461	0.377	0.084	0.040	0.210	3.20	0.478	0.328	0.319	3.57	3.38	MIN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 1.98
MAXIMUM DAILY, 7.71 ON OCT 25
MINIMUM DAILY, 0.040 ON MAY 6
MAXIMUM INSTANTANEOUS,
8.77 AT 13:02 CST ON OCT 24

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 02 20 N
LONG 95 20 20 W
DRAINAGE AREA, 883 km²

REGULATED

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	1 740	JUL	14 000
FEB	1 350	AUG	5 290
MAR	1 310	SEP	947
APR	459	OCT	4 420
MAY	349	NOV	11 400
JUN	10 200	DEC	11 100

TOTAL DISCHARGE, 62 800 dam³

WHITEWATER LAKE NEAR BOISSEVAIN - STATION NO. 05MD023

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	495.844E	495.843	495.803	495.741	495.603E	495.351	495.380A	---	---	1
2	---	---	---	495.844E	495.845	495.781	495.726	495.500E	495.344	495.321A	---	---	2
3	---	---	---	495.844E	495.862	495.784	495.723	495.488E	495.341A	495.327A	---	---	3
4	---	---	---	495.844A	495.872	495.785	495.723	495.486E	495.345A	495.304A	---	---	4
5	---	---	---	495.832E	495.873	495.779	495.721	495.483E	495.395	495.348A	---	---	5
6	---	---	---	495.830E	495.867	495.784	495.721	495.480E	495.417	495.316E	---	---	6
7	---	---	---	495.808E	495.856	495.802	495.774	495.485E	495.385	495.331A	---	---	7
8	---	---	---	495.788E	495.862	495.784	495.726	495.485E	495.235A	495.348A	---	---	8
9	---	---	---	495.784A	495.896	495.783	495.712E	495.484E	495.338A	495.371	---	---	9
10	---	---	---	495.784	495.868	495.783	495.802E	495.482E	495.228A	495.376	---	---	10
11	---	---	---	495.777	495.855	495.789	495.873E	495.479E	495.347A	495.412	---	---	11
12	---	---	---	495.780	495.885	495.789	495.852E	495.478E	495.370A	495.477	---	---	12
13	---	---	---	495.788	495.868	495.789	495.830E	495.474E	495.358A	495.372	---	---	13
14	---	---	---	495.784	495.885	495.798	495.808E	495.472E	495.382	495.383	---	---	14
15	---	---	---	495.808	495.931	495.793	495.878E	495.473A	495.396	495.323E	---	---	15
16	---	---	---	495.808	495.915	495.790	495.842A	495.490	495.448	495.373A	---	---	16
17	---	---	---	495.813	495.871	495.787	495.834E	495.480	495.384	495.391	---	---	17
18	---	---	---	495.805	495.919	495.773	495.832E	495.473	495.372	495.401	---	---	18
19	---	---	---	495.806	495.927	495.784	495.829E	495.507	495.382A	495.328A	---	---	19
20	---	---	---	495.805	495.854	495.778	495.827E	495.425	495.383	495.405A	---	---	20
21	---	---	---	495.801	495.838	495.789	495.829E	495.388A	495.328E	495.450	---	---	21
22	---	---	---	495.801	495.820	495.787	495.823E	495.433	495.383	495.458	---	---	22
23	---	---	---	495.800	495.835	495.735	495.821E	495.478	495.300E	495.484	---	---	23
24	---	---	---	495.787	495.820	495.782	495.818E	495.480	495.237E	495.405A	---	---	24
25	---	---	---	495.778	495.821	495.783	495.817E	495.423	495.278A	495.902	---	---	25
26	---	---	---	495.717	495.829	495.726	495.815E	495.407	495.335A	495.483	---	---	26
27	---	---	---	495.780	495.830	495.743	495.813E	495.395	495.274E	495.384A	---	---	27
28	---	---	---	495.807	495.832	495.750	495.811E	495.385A	495.289E	495.458E	---	---	28
29	---	---	---	495.828	495.847	495.771	495.810E	495.369	495.318A	495.484A	---	---	29
30	---	---	---	495.839	495.862	495.780	495.807E	495.324E	495.319A	495.484E	---	---	30
31	---		---		495.783		495.805E	495.338A		495.484E		---	31
MEAN	---	---	---	495.803	495.854	495.778	495.804	495.453	495.347	495.395	---	---	MEAN
MAX	---	---	---	495.844	495.931	495.803	495.774	495.507	495.448	495.902	---	---	MAX
MIN	---	---	---	495.717	495.783	495.726	495.805	495.324	495.237	495.304	---	---	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 495.931 ON MAY 15

MAXIMUM INSTANTANEOUS,
495.919 AT 14:28 CST ON MAY 15

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 15 28 N
LONG 100 19 28 W

A - MANUAL GAUGE

E - ESTIMATED

WILLOW CREEK NEAR CHATER - STATION NO. 05MH011

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.0788	0.089	0.015	0.019	0	0	0	---	---	1
2	---	---	0 B	0.0538	0.083	0.014	0.016	0	0	0	---	---	2
3	---	---	0 B	0.0328	0.103	0.010	0.015	0	0	0	---	---	3
4	---	---	0 B	0.0278	0.268	0.004	0.019	0	0	0	---	---	4
5	---	---	0 B	0.026	0.311	0.003	0.017	0	0	0	---	---	5
6	---	---	0 B	0.013	0.275	0.002	0.013	0	0	0	---	---	6
7	---	---	0 B	0.010	0.253	0.008	0.011	0	0	0	---	---	7
8	---	---	0 B	0.010	0.202	0.004	0.015	0	0	0	---	---	8
9	---	---	0 B	0.010	0.188	0.003	0.012	0	0	0	---	---	9
10	---	---	0 B	0.009	0.148	0.004	0.008	0	0	0	---	---	10
11	---	---	0 B	0.008	0.122	0.003	0.008	0	0	0	---	---	11
12	---	---	0 B	0.021	0.113	0.008	0.008	0	0	0	---	---	12
13	---	---	0 B	0.028	0.118	0.004	0.008	0	0	0	---	---	13
14	---	---	0 B	0.015	0.108	0.003	0.001	0	0	0	---	---	14
15	---	---	0 B	0.008	0.097	0.005	0.001	0	0	0	---	---	15
16	---	---	0 B	0.010	0.084	4.25	0.003	0	0	0	---	---	16
17	---	---	0 B	0.013	0.063	1.30	0	0	0	0	---	---	17
18	---	---	0 B	0.012	0.068	0.308	0	0	0	0	---	---	18
19	---	---	0.0028	0.011	0.067	0.122	0	0	0	0	---	---	19
20	---	---	0.0248	0.010	0.071	0.076	0	0	0	0	---	---	20
21	---	---	0.0348	0.008	0.083	0.062	0	0	0	0	---	---	21
22	---	---	0.0228	0.007	0.080	0.055	0.004	0	0	0	---	---	22
23	---	---	0.0178	0.004	0.043	0.056	0.002	0	0	0	---	---	23
24	---	---	0.0088	0.003	0.039	0.048	0	0	0	0	---	---	24
25	---	---	0.0448	0.003	0.048	0.035	0	0	0	0	---	---	25
26	---	---	0.2878	0.004	0.042	0.027	0	0	0	0	---	---	26
27	---	---	0.3688	0.011	0.034	0.031	0	0	0	0	---	---	27
28	---	---	0.3208	0.036	0.031	0.026	0	0	0	0	---	---	28
29	---	---	0.2368	0.028	0.031	0.024	0	0	0	0	---	---	29
30	---		0.1838	0.044	0.026	0.021	0	0	0	0	---	---	30
31	---		0.1078		0.023		0	0		0		---	31
TOTAL	---	---	1.833	0.550	3.247	5.535	0.174	0	0	0	---	---	TOTAL
MEAN	---	---	0.053	0.018	0.105	0.218	0.006	0	0	0	---	---	MEAN
MAX	---	---	0.388	0.078	0.311	4.25	0.019	0	0	0	---	---	MAX
MIN	---	---	0	0.003	0.023	0.003	0	0	0	0	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.050
MAXIMUM DAILY, 4.25 ON JUN 16
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
8.84 AT 09:04 CST ON JUN 16

TYPE OF GAUGE - RECORDING
LOCATION - LAT 49 51 32 N
LONG 99 49 34 W
DRAINAGE AREA, 895 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	15.0
FEB	---	AUG	0
MAR	161	SEP	0
APR	47.5	OCT	0
MAY	281	NOV	---
JUN	565	DEC	---

TOTAL DISCHARGE, 1 050 dam³

WILLOW CREEK NEAR GIMLI - STATION NO. 05OB002

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.4508	0.082	0.023	0.043	---	---	---	---	---	1
2	---	---	0 B	0.3868	0.060	0.022	0.037	---	---	---	---	---	2
3	---	---	0 B	0.3578	0.053	0.012	0.032	---	---	---	---	---	3
4	---	---	0 B	0.3938	0.041	0.011	---	---	---	---	---	---	4
5	---	---	0 B	0.3838	0.022	0.014	---	---	---	---	---	---	5
6	---	---	0 B	0.3918	0.004	0.023	---	---	---	---	---	---	6
7	---	---	0 B	0.398	0.001	0.061	---	---	---	---	---	---	7
8	---	---	0 B	0.284	0.006	0.053	---	---	---	---	---	---	8
9	---	---	0 B	0.228	0.002	0.053	---	---	---	---	---	---	9
10	---	---	0 B	0.183	0.014	0.061	---	---	---	---	---	---	10
11	---	---	0 B	0.155	0.021	0.049	---	---	---	---	---	---	11
12	---	---	0 B	0.178	0.022	0.038	---	---	---	---	---	---	12
13	---	---	0 B	0.186	0.037	0.049	---	---	---	---	---	---	13
14	---	---	0 B	0.147	0.009	0.037	---	---	---	---	---	---	14
15	---	---	0 B	0.133	0.012	0.030	---	---	---	---	---	---	15
16	---	---	0 B	0.128	0.018	0.003	---	---	---	---	---	---	16
17	---	---	0 B	0.114	0.014	0.024	---	---	---	---	---	---	17
18	---	---	0 B	0.145	0.008	0.013	---	---	---	---	---	---	18
19	---	---	0 B	0.131	0.008	0.008	---	---	---	---	---	---	19
20	---	---	0 B	0.134	0.003	0.003	---	---	---	---	---	---	20
21	---	---	0 B	0.148	0.002	0.010	---	---	---	---	---	---	21
22	---	---	0 B	0.154	0.003	0.024	---	---	---	---	---	---	22
23	---	---	0 B	0.148	0.001	0.188	---	---	---	---	---	---	23
24	---	---	0 B	0.143	0.001	0.170	---	---	---	---	---	---	24
25	---	---	0 B	0.137	0.001	0.117	---	---	---	---	---	---	25
26	---	---	0 B	0.128	0.001	0.088	---	---	---	---	---	---	26
27	---	---	0.0248	0.122	0.001	0.080	---	---	---	---	---	---	27
28	---	---	0.1188	0.148	0.001	0.088	---	---	---	---	---	---	28
29	---	---	0.2648	0.107	0.002	0.080	---	---	---	---	---	---	29
30	---		0.3318	0.101	0.002	0.051	---	---	---	---	---	---	30
31	---		0.5128		0.003		---	---	---	---	---	---	31
TOTAL	---	---	1.887	5.150	0.483	1.517	---	---	---	---	---	---	TOTAL
MEAN	---	---	0.061	0.205	0.016	0.051	---	---	---	---	---	---	MEAN
MAX	---	---	0.531	0.450	0.082	0.185	---	---	---	---	---	---	MAX
MIN	---	---	0	0.101	0.001	0.003	---	---	---	---	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO JUN

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.080
MAXIMUM DAILY, 0.5318 ON MAR 30
MINIMUM DAILY, 0.0 ON MAR 1
MAXIMUM INSTANTANEOUS,
0.756 AT 16:30 CST ON MAR 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 34 50 N
LONG 97 02 40 W
DRAINAGE AREA, 158 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	---
FEB	---	AUG	---
MAR	135	SEP	---
APR	531	OCT	---
MAY	41.7	NOV	---
JUN	131	DEC	---

TOTAL DISCHARGE, 839 dam³

WILSON CREEK NEAR MCCREARY - STATION NO. 05LJ801

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	---	---	---	357.898	357.891	---	---	---	---	---	1
2	---	---	---	---	---	357.890	357.891	---	---	---	---	---	2
3	---	---	---	---	---	357.887	357.888	---	---	---	---	---	3
4	---	---	---	---	---	357.887	357.883	---	---	---	---	---	4
5	---	---	---	---	---	357.887	357.888	---	---	---	---	---	5
6	---	---	---	---	---	357.930	357.882	---	---	---	---	---	6
7	---	---	---	---	---	357.980	357.976	---	---	---	---	---	7
8	---	---	---	---	---	357.893	357.975	---	---	---	---	---	8
9	---	---	---	---	---	357.885	357.972	---	---	---	---	---	9
10	---	---	---	---	---	357.884	357.969	---	---	---	---	---	10
11	---	---	---	---	---	357.888	357.966	---	---	---	---	---	11
12	---	---	---	---	---	357.883	357.963	---	---	---	---	---	12
13	---	---	---	---	---	357.884	357.957	---	---	---	---	---	13
14	---	---	---	---	---	357.881	357.957	---	---	---	---	---	14
15	---	---	---	---	357.988	357.938	357.954	---	---	---	---	---	15
16	---	---	---	---	357.981	357.935	357.954	---	---	---	---	---	16
17	---	---	---	---	357.954	357.889	357.948	---	---	---	---	---	17
18	---	---	---	---	357.957	357.857	357.945	---	---	---	---	---	18
19	---	---	---	---	357.972	357.844	357.945	---	---	---	---	---	19
20	---	---	---	---	357.988	357.838	357.942	---	---	---	---	---	20
21	---	---	---	---	358.000	357.857	357.942	---	---	---	---	---	21
22	---	---	---	---	358.003	357.838	357.938	---	---	---	---	---	22
23	---	---	---	---	358.008	358.058	357.936	---	---	---	---	---	23
24	---	---	---	---	358.018	358.027	357.933	---	---	---	---	---	24
25	---	---	---	---	357.934	358.027	357.930	---	---	---	---	---	25
26	---	---	---	---	357.902	358.038	357.933	---	---	---	---	---	26
27	---	---	---	---	357.880	358.058	357.927	---	---	---	---	---	27
28	---	---	---	---	357.884	358.038	357.934	---	---	---	---	---	28
29	---	---	---	---	357.887	358.018	357.918	---	---	---	---	---	29
30	---		---	---	357.887	357.987	---	---	---	---	---	---	30
31	---		---		357.898		---	---		---	---	---	31
MEAN	---	---	---	---	---	357.919	---	---	---	---	---	---	MEAN
MAX	---	---	---	---	---	358.058	---	---	---	---	---	---	MAX
MIN	---	---	---	---	---	357.838	---	---	---	---	---	---	MIN

SUMMARY FOR THE YEAR 1984

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 43 48 N
LONG 98 33 15 W
DATA CONTRIBUTED BY -
MANITOBA WATER RESOURCES BRANCH

NATURAL FLOW

DRAINAGE AREA,
22.6 km²

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WILSON RIVER NEAR ASHVILLE - STATION NO. 05LJ045

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0 B	0.6988	0.108	0.368	0.098	0.008	0	0.002	---	---	1
2	---	---	0 B	0.8128	0.248	0.270	0.055	0.004	0	0.001	---	---	2
3	---	---	0 B	1.31 B	0.343	0.207	0.041	0.001	0	0.001	---	---	3
4	---	---	0 B	1.83 B	0.518	0.161	0.036	0.001	0	0.001	---	---	4
5	---	---	0 B	1.45	1.00	0.123	0.030	0.001	0	0.001	---	---	5
6	---	---	0 B	1.10	1.06	0.121	0.026	0.001	0	0.001	---	---	6
7	---	---	0 B	0.939	1.07	0.173	0.024	0.001	0	0.001	---	---	7
8	---	---	0 B	0.871	0.887	0.134	0.022	0.001	0	0.001	---	---	8
9	---	---	0 B	0.783	0.814	0.295	0.018	0.001	0	0.001	---	---	9
10	---	---	0 B	0.784	0.927	0.228	0.018	0	0	0.001	---	---	10
11	---	---	0 B	0.831	1.08	0.182	0.017	0	0	0.002	---	---	11
12	---	---	0 B	0.680	1.25	0.122	0.018	0	0	0.002	---	---	12
13	---	---	0 B	0.587	1.30	0.088	0.015	0	0	0.002	---	---	13
14	---	---	0 B	0.760	1.44	0.058	0.013	0	0	0.002	---	---	14
15	---	---	0 B	0.747	1.19	0.048	0.013	0	0	0.009	---	---	15
16	---	---	0 B	0.827	0.850	0.041	0.013	0	0	0.021	---	---	16
17	---	---	0 B	0.453	0.743	0.044	0.012	0	0	0.018	---	---	17
18	---	---	0 B	0.386	1.24	0.038	0.013	0	0	0.017	---	---	18
19	---	---	0 B	0.224	0.833	0.038	0.012	0	0	0.018	---	---	19
20	---	---	0 B	0.135	0.428	0.077	0.012	0	0	0.020	---	---	20
21	---	---	0.0018	0.132	0.403	0.058	0.010	0	0.003	0.018	---	---	21
22	---	---	0.0028	0.071	0.481	0.048	0.009	0	0.004	0.019	---	---	22
23	---	---	0.0148	0.048	0.431	0.147	0.008	0	0.001	0.018	---	---	23
24	---	---	0.1208	0.041	0.172	0.412	0.008	0	0.002	0.018	---	---	24
25	---	---	0.4108	0.037	0.818	0.824	0.007	0	0.003	0.018	---	---	25
26	---	---	0.7708	0.030	1.40	0.573	0.007	0	0.003	0.020	---	---	26
27	---	---	1.04 B	0.0288	1.40	0.358	0.007	0	0.003	0.020	---	---	27
28	---	---	1.17 B	0.0418	1.03	0.278	0.008	0	0.002	0.0178	---	---	28
29	---	---	1.39 B	0.092	0.884	0.221	0.008	0	0.002	0.0138	---	---	29
30	---	---	0.9888	0.082	0.532	0.145	0.008	0	0.002	0.0108	---	---	30
31	---	---	0.7988		0.425		0.008	0		0.0088		---	31
TOTAL	---	---	9.685	18.389	25.242	5.833	0.550	0.017	0.025	0.304	---	---	TOTAL
MEAN	---	---	0.218	0.546	0.814	0.194	0.018	0.001	0.001	0.010	---	---	MEAN
MAX	---	---	1.39	1.83	1.44	0.824	0.098	0.006	0.004	0.021	---	---	MAX
MIN	---	---	0	0.028	0.106	0.035	0.006	0	0	0.001	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 0.228
MAXIMUM DAILY, 1.838 ON APR 4
MINIMUM DAILY, 0B ON MAR 1
MAXIMUM INSTANTANEOUS,
2.48 AT 15:32 CST ON APR 3

TYPE OF GAUGE - RECORDING
LOCATION - LAT 51 09 30 N
LONG 100 20 00 W
DRAINAGE AREA, 888 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	---	JUL	51.0
FEB	---	AUG	1.47
MAR	578	SEP	2.18
APR	1 420	OCT	28.3
MAY	2 180	NOV	---
JUN	504	DEC	---

TOTAL DISCHARGE, 4 780 dam³

WINNIPEG RIVER AT LAC DU BONNET - STATION NO. 05PP002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	254.987	255.007	254.917	---	254.787	---	254.885	254.824	254.833	254.782	254.782	254.882	1
2	254.987	255.017	254.927	---	---	---	254.835	254.774	254.713	254.772	254.732	254.832	2
3	254.987	254.977	254.937	---	254.727	---	254.935	254.774	254.883	254.882	254.782	254.852	3
4	254.987	254.977	254.877	---	---	254.885	254.935	254.774	254.933	254.882	254.882	254.822	4
5	254.997	254.947	254.907	---	---	254.895	254.935	254.884	254.923	254.712	254.912	254.822	5
6	254.987	254.937	254.907	---	---	254.858	254.925	254.954	254.903	254.822	254.922	254.882	6
7	254.977	254.942	254.857	---	---	254.826	254.885	254.924	254.783	254.933	254.913	254.882	7
8	254.977	254.937	254.837	---	---	254.878	254.885	254.834	254.753	254.883	254.872	254.902	8
9	254.937	254.947	254.777	---	254.725	254.985	254.855	254.794	254.753	254.892	254.872	254.882	9
10	254.917	254.947	254.737	---	---	254.958	254.815	254.794	254.853	254.802	254.812	254.982	10
11	254.987	254.947	254.757	---	---	254.958	254.825	254.774	254.813	254.812	254.782	254.982	11
12	254.977	254.947	254.787	---	---	254.958	254.785	254.884	254.833	254.812	254.802	254.982	12
13	254.987	254.947	254.807	---	---	254.978	254.805	254.834	254.813	254.802	254.812	254.952	13
14	255.007	254.917	254.817	---	---	254.885	254.815	254.894	254.713	254.832	254.782	254.922	14
15	254.997	254.922	254.822	---	---	254.858	254.935	254.884	254.883	254.822	254.782	254.942	15
16	254.987	254.937	254.817	---	---	254.905	254.935	254.824	254.873	254.932	254.772	254.952	16
17	254.937	254.937	254.817	---	---	254.988	254.911	254.774	254.873	254.782	254.782	255.032	17
18	---	254.947	254.837	---	---	255.036	254.925	254.894	254.893	254.802	254.772	255.002	18
19	---	254.917	254.887	---	---	254.988	254.925	254.914	254.883	254.872	254.782	254.982	19
20	---	254.987	254.887	---	---	254.928	254.885	254.884	254.923	254.872	254.782	254.982	20
21	---	254.987	254.858E	---	---	254.908	254.935	254.884	254.903	254.932	254.822	254.972	21
22	---	254.987	254.837	---	---	254.848	254.935	254.834	254.733	254.952	254.883	254.952	22
23	---	254.987	254.827	---	---	254.838	254.985	254.784	254.953	254.912	254.883	254.932	23
24	254.987	255.007	254.887	---	---	254.815	254.955	254.814	254.973	254.872	254.933	254.933	24
25	254.987	254.977	---	---	---	254.895	254.874	254.833	254.883	254.882	254.952	254.982	25
26	254.937	254.937	---	---	---	254.938	254.874	254.883	254.832	254.802	254.972	254.942	26
27	254.987	254.927	---	---	---	254.968	254.874	254.883	254.812	254.812	254.972	254.932	27
28	254.987	254.917	---	---	---	254.978	254.874	254.783	254.832	254.732	254.972	254.982	28
29	254.977	254.977	---	---	---	254.985	254.884	254.883	254.752	254.782	254.902	254.982	29
30	254.987		---	---	---	254.935	254.884	254.823	254.822	254.742	254.882	254.982	30
31	254.987		---	---	---		254.854	254.833		254.812		254.982	31
MEAN	---	254.953	---	---	---	---	254.889	254.823	254.831	254.828	254.848	254.938	MEAN
MAX	---	255.017	---	---	---	---	254.955	254.954	254.973	254.952	254.972	255.032	MAX
MIN	---	254.877	---	---	---	---	254.785	254.823	254.633	254.682	254.732	254.822	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MAXIMUM DAILY, 255.036 ON JUN 18

TYPE OF GAUGE - MANUAL
LOCATION - LAT 50 15 35 N
LONG 96 03 20 W

E - ESTIMATED

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (LOCAL 1983 ADJ.)

WINNIPEG RIVER AT SLAVE FALLS - STATION NO. 05PF003

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	915	944	900	761	617	658	937	718	444	515	680	821	1
2	938	951	898	824	585	657	816	740	487	516	728	848	2
3	935	953	851	780	607	908	905	742	496	490	769	867	3
4	938	953	887	762	607	618	922	730	498	559	730	922	4
5	948	948	855	749	646	881	904	683	500	549	737	888	5
6	955	950	885	752	569	705	908	670	541	528	788	885	6
7	935	948	883	783	528	711	901	718	552	541	784	838	7
8	947	948	857	781	548	784	926	694	520	499	748	818	8
9	947	945	889	785	535	801	899	704	478	524	788	838	9
10	942	946	858	762	541	781	903	880	518	548	751	834	10
11	948	946	805	770	488	838	888	645	501	509	740	835	11
12	948	941	858	780	488	838	885	658	598	526	735	815	12
13	945	938	884	759	516	801	896	678	530	572	787	888	13
14	945	923	878	772	512	831	878	838	531	552	782	823	14
15	941	941	895	753	579	865	881	835	582	585	781	830	15
16	936	934	855	759	580	857	878	808	584	823	778	838	16
17	941	933	848	744	533	956	888	822	597	584	788	833	17
18	941	932	851	727	513	857	863	847	595	648	774	845	18
19	940	929	895	724	523	932	875	886	582	700	836	824	19
20	938	934	857	723	598	983	889	809	534	682	807	834	20
21	935	937	856	895	588	904	892	578	544	662	832	838	21
22	934	937	881	704	574	889	881	863	560	659	884	844	22
23	934	937	841	887	567	903	858	578	529	651	891	916	23
24	941	933	804	815	535	885	838	547	525	659	844	917	24
25	941	932	854	806	598	901	840	486	502	620	850	894	25
26	927	904	850	814	533	905	821	488	529	672	882	889	26
27	945	910	879	581	572	841	802	555	558	663	895	894	27
28	948	908	855	564	587	942	780	521	555	648	888	923	28
29	951	914	875	578	580	940	785	523	496	632	868	938	29
30	950		871	589	589	939	753	528	485	683	886	985	30
31	943		850		652		695	515		642		987	31
TOTAL	29 181	27 153	26 735	21 484	17 595	25 036	28 841	19 200	16 253	18 480	23 888	28 397	TOTAL
MEAN	941	936	862	716	568	835	865	619	542	596	798	916	MEAN
MAX	955	953	900	824	652	983	937	742	628	700	895	987	MAX
MIN	915	904	804	581	488	808	695	488	444	490	680	821	MIN

SUMMARY FOR THE YEAR 1984

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 788
MAXIMUM DAILY, 987 ON DEC 31
MINIMUM DAILY, 444 ON SEP 1

TYPE OF GAUGE - POWER PLANT
LOCATION - LAT 50 13 30 N
LONG 95 34 15 W
DRAINAGE AREA, 126 000 km²

MONTHLY TOTAL DISCHARGE IN CUBIC DECAMETRES

JAN	2 520 000	JUL	2 320 000
FEB	2 350 000	AUG	1 660 000
MAR	2 310 000	SEP	1 400 000
APR	1 850 000	OCT	1 590 000
MAY	1 520 000	NOV	2 060 000
JUN	2 160 000	DEC	2 450 000

TOTAL DISCHARGE, 24 200 000 dam³

DATA CONTRIBUTED BY -
CITY OF WINNIPEG HYDRO-ELECTRIC SYSTEM

REGULATED SINCE 1907

WINNIPEG RIVER HEAD WATER SEVEN SISTERS POWER PLANT - STATION NO 05PF057

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	274.128	274.140	274.068	274.128	274.119	274.081	274.110	273.889	274.091	274.110	274.015	274.137	1
2	274.140	274.137	274.033	274.113	274.084	274.171	274.076	273.987	274.084	274.094	274.068	274.104	2
3	274.152	274.097	274.076	274.116	274.097	274.107	274.070	274.027	274.137	274.070	274.076	274.052	3
4	274.104	274.119	274.094	274.076	274.091	274.084	274.131	274.052	274.131	274.113	274.122	274.140	4
5	274.015	274.113	274.012	274.055	274.143	274.009	273.991	274.113	274.045	274.101	274.128	274.128	5
6	274.033	274.094	274.067	274.104	274.152	274.076	273.969	274.101	274.068	274.118	274.101	274.122	6
7	274.079	274.058	274.027	274.107	274.006	274.110	273.987	273.976	273.918	274.076	274.084	274.143	7
8	274.125	274.061	274.091	274.152	273.991	274.168	274.018	274.015	273.885	274.067	274.091	274.104	8
9	274.085	274.076	274.070	274.076	274.058	274.107	274.067	274.087	274.073	274.084	274.104	274.113	9
10	274.061	274.058	274.027	273.988	274.006	274.076	274.085	274.110	274.068	274.097	274.094	274.185	10
11	274.101	274.134	274.024	274.000	274.070	274.118	274.049	274.131	274.083	274.107	274.122	274.128	11
12	274.082	274.084	274.009	273.774	274.110	274.158	274.085	274.128	274.046	274.110	274.134	274.137	12
13	274.052	274.094	274.101	273.978	274.146	274.104	274.043	273.982	273.846	274.078	274.107	274.119	13
14	274.076	274.134	274.155	274.101	274.094	274.177	274.049	274.006	274.076	274.088	274.134	274.158	14
15	274.088	274.082	274.137	274.082	274.076	274.128	274.049	274.087	274.116	274.081	274.128	274.116	15
16	274.076	274.076	274.140	274.043	274.052	274.118	274.040	274.012	274.134	274.076	274.122	274.101	16
17	274.018	274.030	274.146	274.073	274.000	274.113	274.027	274.006	274.087	274.122	274.079	274.107	17
18	274.073	274.030	274.155	274.070	273.991	274.040	274.015	274.146	274.107	274.140	274.116	274.155	18
19	274.076	274.101	274.122	274.006	274.101	274.030	274.015	274.116	274.037	274.073	274.107	274.087	19
20	274.052	274.061	274.131	274.097	274.110	274.140	274.024	274.101	274.073	274.122	274.128	274.149	20
21	274.082	274.073	274.049	274.076	274.143	274.155	274.079	274.088	274.073	274.152	274.116	274.119	21
22	274.097	274.107	274.131	274.104	274.119	274.128	273.997	274.079	274.122	274.027	274.107	274.110	22
23	274.110	274.104	274.094	274.043	274.076	274.119	274.012	274.107	274.087	274.000	274.085	274.122	23
24	274.122	274.073	274.121	274.021	273.976	274.070	273.985	274.091	274.070	274.012	274.094	274.131	24
25	274.088	274.049	274.128	273.988	273.980	274.122	274.015	274.076	274.043	273.988	274.094	274.091	25
26	274.094	274.076	274.015	273.815	274.107	274.146	274.027	274.107	274.116	274.082	274.122	274.085	26
27	274.118	274.027	274.027	273.889	274.101	274.113	274.043	274.070	274.064	274.061	274.122	274.146	27
28	274.094	274.067	274.015	273.965	274.079	274.082	274.082	274.046	274.070	274.087	274.128	274.107	28
29	274.137	274.070	274.049	274.182	274.043	274.082	274.101	274.168	274.116	274.094	274.087	274.113	29
30	274.101		274.087	274.082	274.055	273.976	274.012	274.052	274.064	274.101	274.091	274.094	30
31	274.097		274.104		274.040		273.973	273.979		274.030		274.076	31
MEAN	274.089	274.083	274.078	274.067	274.070	274.102	274.039	274.052	274.069	274.080	274.104	274.117	MEAN
MAX	274.152	274.140	274.155	274.182	274.152	274.168	274.131	274.168	274.137	274.152	274.134	274.185	MAX
MIN	274.018	274.030	274.009	273.774	273.980	273.976	273.969	273.889	273.918	273.988	274.015	274.052	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 274.078
MAXIMUM DAILY, 274.185 ON JUN 21
MINIMUM DAILY, 273.774 ON APR 12

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 07 10 N
LONG 95 00 50 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WINNIPEG RIVER TAILRACE, GREAT FALLS POWER PLANT - STATION NO. 05PF046

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	230.255	230.526	230.267	229.689	229.749	229.985	230.671	230.215	229.716	229.962	230.112	230.447	1
2	230.389	230.542	230.426	230.212	229.798	229.932	230.627	230.203	229.475	230.045	230.234	230.429	2
3	230.322	230.515	230.304	230.209	229.780	229.490	230.700	230.142	229.475	229.763	230.252	230.444	3
4	230.460	230.581	230.388	230.194	229.661	229.813	230.755	230.008	229.688	229.767	230.005	230.343	4
5	230.517	230.584	230.356	230.080	229.121	229.748	230.746	229.804	229.956	229.894	230.404	230.347	5
6	230.593	230.560	230.420	230.084	229.179	229.785	230.773	230.121	230.023	229.435	230.401	230.383	6
7	230.583	230.569	230.377	229.905	229.906	229.722	230.706	230.206	230.124	230.133	230.435	230.374	7
8	230.496	230.526	230.243	229.700	229.767	229.687	230.688	230.301	229.837	229.929	230.475	230.487	8
9	230.535	230.459	230.307	230.130	229.731	230.030	230.685	230.310	229.561	229.920	230.411	230.428	9
10	230.374	230.508	230.343	230.145	229.770	230.130	230.642	229.999	229.905	230.005	230.493	230.411	10
11	230.411	230.447	230.105	230.130	229.612	230.240	230.682	229.978	229.877	229.847	230.417	230.532	11
12	230.325	230.460	230.173	230.042	229.064	230.240	230.683	229.626	229.935	229.966	230.453	230.551	12
13	230.461	230.557	230.097	230.081	228.905	230.420	230.586	230.148	230.084	229.987	230.444	230.551	13
14	230.374	230.554	230.097	230.158	229.820	230.486	230.365	230.184	229.869	229.861	230.323	230.532	14
15	230.612	230.490	230.185	229.905	229.891	230.322	230.359	230.100	229.693	230.178	230.450	230.478	15
16	230.580	230.526	230.182	230.136	229.648	230.383	230.429	230.115	229.389	230.146	230.404	230.426	16
17	230.551	230.576	230.173	230.167	229.852	230.471	230.663	230.218	230.048	230.228	230.459	230.468	17
18	230.475	230.475	229.956	229.825	229.670	230.667	230.484	229.887	230.184	229.893	230.398	230.554	18
19	230.514	230.505	230.194	229.786	229.188	230.773	230.475	229.258	230.045	229.962	230.456	230.503	19
20	230.404	230.318	230.124	229.444	229.234	230.680	230.487	230.181	230.054	229.868	230.434	230.490	20
21	230.343	230.426	230.184	229.800	229.780	230.528	230.529	230.187	230.005	229.938	230.468	230.870	21
22	230.371	230.517	230.212	229.892	229.883	230.638	230.584	230.063	229.858	230.170	230.459	230.906	22
23	230.407	230.520	230.148	229.885	229.752	230.782	230.639	230.048	229.487	230.261	230.466	230.548	23
24	230.496	230.590	229.856	229.672	229.787	230.787	230.520	229.938	230.173	230.130	230.478	230.471	24
25	230.426	230.575	229.770	229.658	229.722	230.651	230.737	229.803	230.188	230.072	230.484	230.385	25
26	230.548	230.560	230.264	229.662	229.187	230.627	230.456	229.585	230.017	230.188	230.487	230.447	26
27	230.359	230.514	230.292	229.773	229.237	230.646	230.404	230.002	229.975	230.103	230.548	230.441	27
28	230.365	230.420	230.187	229.408	229.633	230.671	230.426	230.191	229.941	230.194	230.545	230.456	28
29	230.557	230.368	230.218	229.079	229.661	230.962	230.417	230.057	229.813	230.048	230.572	230.514	29
30	230.542		230.252	229.755	229.607	230.988	230.432	229.935	229.686	229.880	230.411	230.588	30
31	230.514		230.084		229.615		230.459	229.728		229.972		230.770	31
MEAN	230.467	230.511	230.189	229.876	229.571	230.324	230.576	230.004	229.882	229.974	230.411	230.493	MEAN
MAX	230.612	230.615	230.426	230.212	229.906	230.988	230.871	230.310	230.188	230.261	230.572	230.770	MAX
MIN	230.255	230.318	229.770	229.079	228.905	229.332	230.359	229.258	229.389	229.435	230.005	230.343	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 230.187
MAXIMUM DAILY, 230.988 ON JUN 30
MINIMUM DAILY, 228.905 ON MAY 13

TYPE OF GAUGE - RECORDING
LOCATION - LAT 50 27 50 N
LONG 95 00 15 W
DATA CONTRIBUTED BY -
MANITOBA HYDRO

REGULATED

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM

WINTERING LAKE AT THICKET PORTAGE - STATION NO. 05TD002

DAILY WATER LEVEL IN METRES FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	181.447	181.387	181.285	181.198	181.506	181.720	181.695	181.585	181.420	181.464	181.445	181.424	1
2	181.449	181.385	181.286	181.197	181.512	181.717	181.693	181.581	181.413	181.458	181.439	181.422	2
3	181.455	181.383	181.286	181.190	181.513	181.717	181.691	181.577	181.412	181.495	181.437	181.413	3
4	181.450	181.377	181.282	181.196	181.518	181.714	181.683	181.574	181.405	181.488	181.432	181.413	4
5	181.448	181.367	181.272	181.191	181.522	181.714	181.682	181.572	181.393	181.482	181.426	181.412	5
6	181.445	181.361	181.270	181.190	181.528	181.712	181.677	181.572	181.381	181.469	181.425	181.403	6
7	181.438	181.358	181.270	181.179	181.527	181.714	181.671	181.565	181.387	181.475	181.417	181.411	7
8	181.436	181.362	181.265	181.187	181.531	181.723	181.684	181.562	181.428	181.474	181.424	181.413	8
9	181.426	181.359	181.260	181.190	181.538	181.719	181.691	181.564	181.435	181.472	181.424	181.407	9
10	181.415	181.356	181.242	181.196	181.543	181.715	181.680	181.555	181.437	181.485	181.422	181.409	10
11	181.406	181.353	181.235	181.204	181.545	181.713	181.665	181.553	181.440	181.470	181.422	181.405	11
12	181.404	181.345	181.237	181.206	181.550	181.709	181.639	181.556	181.461	181.475	181.423	181.394	12
13	181.404	181.348	181.240	181.209	181.554	181.700	181.635	181.544	181.470	181.470	181.422	181.395	13
14	181.404	181.350	181.231	181.213	181.553	181.697	181.636	181.539	181.472	181.486	181.429	181.394	14
15	181.412A	181.350	181.231	181.220	181.571	181.698	181.642	181.534	181.488	181.488	181.434	181.395	15
16	181.410E	181.342	181.227	181.224	181.577	181.698	181.644	181.523	181.474	181.482	181.434	181.398	16
17	181.406E	181.342	181.224	181.231	181.585	181.691	181.643	181.517	181.480	181.467	181.431	181.395	17
18	181.405E	181.337	181.228	181.246	181.602	181.698	181.644	181.508	181.483	181.478	181.431	181.398	18
19	181.404E	181.335	181.235	181.262	181.606	181.707	181.638	181.501	181.484	181.479	181.432	181.394	19
20	181.403A	181.324	181.228	181.278	181.611	181.702	181.629	181.492	181.484	181.483	181.433	181.391	20
21	181.403E	181.323	181.224	181.293	181.636	181.704	181.624	181.494	181.479	181.483	181.430	181.377	21
22	181.403E	181.320	181.212	181.314	181.667	181.711	181.626	181.482	181.480	181.478	181.437	181.374	22
23	181.404E	181.309	181.218	181.338	181.688	181.714	181.622	181.477	181.502	181.474	181.433	181.378	23
24	181.404E	181.309	181.209	181.365	181.694	181.708	181.621	181.470	181.495	181.471	181.436	181.376	24
25	181.404A	181.303	181.208	181.381	181.704	181.703	181.618	181.466	181.486	181.469	181.438	181.375	25
26	181.405	181.300	181.210	181.417	181.706	181.709	181.611	181.460	181.494	181.481	181.432	181.371	26
27	181.404	181.287	181.204	181.433	181.714	181.705	181.606	181.455	181.489	181.466	181.430	181.368	27
28	181.403	181.283	181.230	181.471	181.718	181.701	181.604	181.451	181.485	181.458	181.433	181.368	28
29	181.397	181.287	181.211	181.492	181.716	181.687	181.603	181.438	181.483	181.459	181.430	181.369	29
30	181.394		181.205	181.504	181.723	181.700	181.598	181.436	181.483	181.443	181.424	181.369	30
31	181.396		181.200		181.728		181.593	181.430		181.444		181.367	31
MEAN	181.416	181.340	181.237	181.274	181.603	181.708	181.642	181.517	181.480	181.472	181.430	181.391	MEAN
MAX	181.455	181.387	181.286	181.504	181.728	181.723	181.695	181.585	181.502	181.495	181.445	181.424	MAX
MIN	181.394	181.287	181.200	181.178	181.506	181.691	181.593	181.430	181.381	181.443	181.417	181.367	MIN

SUMMARY FOR THE YEAR 1984

WATER LEVELS IN METRES

MEAN, 181.458
MAXIMUM DAILY, 181.728 ON MAY 31
MINIMUM DAILY, 181.178 ON APR 7
MAXIMUM INSTANTANEOUS,
181.731 AT 19:30 CST ON MAY 30

TYPE OF GAUGE - RECORDING
LOCATION - LAT 96 19 25 N
LONG 97 40 54 W

A - MANUAL GAUGE

E - ESTIMATED

NATURAL FLOW

WATER LEVELS ARE REFERRED TO GEODETIC SURVEY OF CANADA DATUM (MAN. GOVT. EXT.)

WOODY RIVER NEAR BOWSMAN - STATION NO. 05LE004

DAILY DISCHARGE IN CUBIC METRES PER SECOND FOR 1984

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	---	---	0.6339	30.38	25.7	35.4	5.88	1.44	0	2.09	---	---	1
2	---	---	0.7768	30.38	25.3	31.6	6.79	1.48	0	2.18	---	---	2
3	---	---	0.7328	18.89	24.2	28.1	7.86	1.47	0.012	2.18	---	---	3
4	---	---	0.6908	21.8	23.0	24.3	8.63	1.60	0.014	2.15	---	---	4
5	---	---	0.6479	24.4	21.8	21.1	8.84	1.80	0.008	2.17	---	---	5
6	---	---	0.6068	26.5	20.8	18.6	8.37	1.42	0.017	2.16	---	---	6
7	---	---	0.5708	23.3	20.1	31.8	4.85	2.17	0.047	2.20	---	---	7
8	---	---	0.6528	27.0	19.3	32.6	4.17	3.21	0.040	2.14	---	---	8
9	---	---	0.6208	26.6	18.4	36.6	3.83	1.82	0.005	2.21	---	---	9
10	---	---	0.4878	42.8	18.8	37.6	3.27	1.63	0.012	2.48	---	---	10
11	---	---	0.4768	46.2	22.3	33.6	3.89	1.33	0.038	2.26	---	---	11
12	---	---	0.4428	50.1	25.1	28.9	3.66	1.03	0.037	2.31	---	---	12
13	---	---	0.4188	58.8	24.6	24.6	3.41	0.709	0.092	2.42	---	---	13
14	---	---	0.3948	60.3	25.7	21.8	3.24	0.487	0.178	2.83	---	---	14
15	---	---	0.3728	58.9	24.2	18.2	3.08	0.384	0.211	2.79	---	---	15
16	---	---	0.3638	54.8	22.3	17.2	3.05	0.313	0.244	3.00	---	---	16
17	---	---	0.3218	49.5	20.6	21.4	2.90	0.234	0.230	3.12	---	---	17
18	---	---	0.3068	44.3	48.4	24.3	1.80	0.286	0.230	3.10	---	---	18
19	---	---	0.5788	38.1	61.7	18.5	1.76	0.388	0.186	3.20	---	---	19
20	---	---	0.8828	34.8	71.4	16.7	1.83	0.844	0.184	3.83	---	---	20
21	---	---	1.63 B	31.4	75.2	17.7	1.83	0.404	0.187	3.87	---	---	21
22	---	---	1.76 B	28.3	74.6	17.8	1.81	0.318	0.832	4.43	---	---	22
23	---	---	2.26 B	25.6	67.7	21.6	1.81	0.237	1.70	4.01	---	---	23
24	---	---	3.68 B	24.1	63.3	23.4	1.46	0.187	1.66	3.63	---	---	24
25	---	---	4.66 B	26.0	63.8	25.1	1.42	0.174	1.76	3.83	---	---	25
26	---	---	36.2 B	32.6	65.8	20.8	1.57	0.136	1.74	3.398	---	---	26
27	---	---	57.6 B	32.3	62.2	17.2	1.38	0.108	1.78	3.148	---	---	27
28	---	---	90.7 B	29.5	57.7	14.8	1.44	0.084	1.70	2.978	---	---	28
29	---	---	33.7 B	27.5	51.1	12.7	1.48	0.002	1.71	2.838	---	---	29
30	---	---	27.8 B	26.2	44.8	11.2	1.62	0	1.88	2.708	---	---	30
31	---	---	25.1 B		39.8		1.41	0		2.588	---	---	31
TOTAL	---	---	246.402	1 094.8	1 234.7	695.7	97.59	33.634	17.003	87.99	---	---	TOTAL
MEAN	---	---	7.95	36.5	39.8	23.2	3.15	0.783	0.567	2.83	---	---	MEAN
MAX	---	---	57.6	60.3	75.2	37.6	8.63	3.21	1.99	4.43	---	---	MAX
MIN	---	---	0.321	18.8	18.4	11.2	1.38	0	0	2.09	---	---	MIN

SUMMARY FOR THE MONTHS MAR TO OCT

DISCHARGES IN CUBIC METRES PER SECOND

MEAN, 14.3
MAXIMUM DAILY, 75.2 ON MAY 21
MINIMUM DAILY, 0 ON AUG 30
MAXIMUM INSTANTANEOUS,
75.0 AT 02:34 CST ON MAY 22

TYPE OF GAUGE - RECORDING
LOCATION - LAT 52 15 30 N
LONG 101 05 15 W
DRAINAGE AREA, 2 110 km²

B - ICE CONDITIONS

NATURAL FLOW

MONTHLY TOTAL DISCHARGE
IN CUBIC DECAMETRES

JAN	---	JUL	8 430
FEB	---	AUG	2 080
MAR	21 300	SEP	1 470
APR	94 600	OCT	7 580
MAY	107 000	NOV	---
JUN	60 100	DEC	---

TOTAL DISCHARGE, 303 000 dam³

NAME	STATION NO.	PAGE
ANGLING RIVER NEAR BIRD	05UN001	1
ANTLER RIVER NEAR MELITA	05NF002	1
ARROW RIVER NEAR ARROW RIVER	05ME001	2
ASSINIBOINE RIVER AT HEADINGLEY	05MJ001	2
ASSINIBOINE RIVER NEAR BRANDON	05MN013	3
ASSINIBOINE RIVER NEAR HOLLAND	05MH005	3
ASSINIBOINE RIVER NEAR MINIOTA	05ME006	4
ASSINIBOINE RIVER NEAR PORTAGE LA PRAIRIE	05MJ003	4
ASSINIBOINE RIVER NEAR RUSSELL	05ME001	5
ATHAPAPUSKOW LAKE AT CRANBERRY PORTAGE	05KB005	5
BACK LAKE NEAR OXFORD HOUSE	04AA003	6
BADGER CREEK NEAR CARTWRIGHT	05BA007	6
BALD HILL RESERVOIR NEAR MCCREARY	05LJ003	7
BARRINGTON RIVER BELOW FIRST RAPIDS	05EB003	7
BEAVER CREEK EAST OF BEAVER	05LL026	8
BEAVER LAKE NEAR PINE RIVER	05LS801	8
BELL LAKE NEAR OUTLET	05LF801	9
BELL RIVER NEAR BELLSITE	05LF002	9
BERENS RIVER AT OUTLET OF LONG LAKE	05RD007	10
BIG GRASS RIVER NEAR GLENELLA	05LL016	10
BIRCH RIVER ABOVE BRACKEN DAM NEAR THE PAS	05KH003	11
BIRCH RIVER BELOW BRACKEN DAM NEAR THE PAS	05KH004	11
BIRCH RIVER NEAR BIRCH RIVER	05LE010	12
BIRD RIVER AT OUTLET OF BIRD LAKE	05PJ001	12
BIRDTAIL CREEK NEAR BIRTLE	05ME003	13
BIRNIE CREEK NEAR BIRNIE	05LL017	13
BLACK RIVER NEAR MANIGOTAGAN	05RA002	14
BLOODVEIN RIVER ABOVE BLOODVEIN BAY	05RB003	14
BOYNE RIVER ABOVE CARMAN DAM	05DF801	15
BOYNE RIVER NEAR CARMAN	05DF003	15
BOYNE RIVER NEAR ROSEISLE	05DF011	16
BOYNE RIVER NEAR STEPHENFIELD	05DF006	16
BOYNE RIVER NEAR TREHERNE	05DF010	17
BRERETON LAKE NEAR RENNIE	05PE003	17
BROKENHEAD RIVER NEAR BEAUSEJOUR	05SA002	18
BROKENHEAD RIVER NEAR VIVIAN	05SA004	18
BUFFALO LAKE CHANNEL NEAR ALTONA	05DC025	19
BURNT LAKE DRAIN NO. 1 NEAR DEERHORN	05LN003	19
BURNT LAKE DRAIN NO. 2 NEAR LUNDAR	05LN003	20
BURNTWOOD RIVER ABOVE THREE POINT LAKE	05TE001	20
BURNTWOOD RIVER NEAR THOMPSON	05TS001	21
CEDAR LAKE NEAR GLESON POINT	05KL005	21
CHILDS LAKE NEAR BOGEY CREEK	05MD004	22
CHURCHILL RIVER ABOVE GRANVILLE FALLS	05EA004	22
CHURCHILL RIVER ABOVE LEAF RAPIDS	05EB004	23
CHURCHILL RIVER ABOVE RED HEAD RAPIDS	05FB001	23
CHURCHILL RIVER BELOW FIDLER LAKE	05FB001	24
CLEARWATER LAKE AT GUY HILL	05KK005	24
COCHRANE RIVER NEAR BROCHET	05DA002	25
CONJURING CREEK NEAR RUSSELL	05ME005	25
COOKS CREEK AT COOKS CREEK	05DJ004	26
COOKS CREEK NEAR EAST SELKIRK	05DJ002	26
COOKS CREEK NEAR GLADS	05DJ007	27
CORMORANT LAKE AT CORMORANT	05KK002	27
CROSS LAKE AT CROSS LAKE	05UD001	28
CRYSTAL CREEK NEAR CRYSTAL CITY	05SB005	28
CYPRESS CREEK NEAR CLEARWATER	05SB010	29
CYPRESS CREEK NEAR SARLEE	05SB031	29
CYPRESS RIVER NEAR BRUXELLES	05MH005	30
CYPRESS RIVER NEAR CYPRESS RIVER	05MH004	30
DAUPHIN LAKE AT OCHRE BEACH	05LJ818	31
DAUPHIN LAKE AT OUTLET	05LJ005	31
DAUPHIN RIVER NEAR ANAMA BAY	05LM005	32
DEAD LAKE DRAIN NEAR GLADSTONE	05LL023	32
DEADHORSE CREEK AT NORDEN	05DC015	33
DEER RIVER NORTH OF BELCHER	05FD002	33
DELORAINE RESERVOIR NEAR DELORAINE	05ME014	34
DENNIS LAKE NEAR MALONTON	05SB801	34
DEVILS CREEK NEAR LIBAU	05DJ015	35
DOG LAKE NEAR VOGAR	05LN005	35
DOMAIN DRAIN NEAR DOMAIN	05DE005	36
DUCK RIVER AT COWAN	05LE004	36
EAST FISHER RIVER NEAR HODGSON	05SB004	37
EDWARDS CREEK DRAIN BELOW JACKFISH CREEK	05LJ047	37
ELGIN CREEK NEAR SOURIS	05NE012	38
ELM CREEK CHANNEL NO. 2 NEAR ELM CREEK	05DE005	38
ELM CREEK CHANNEL NO. 3 NEAR ELM CREEK	05DE005	39
EPINETTE CREEK NEAR CARBERRY	05MH007	39
FAIRFORD RIVER NEAR FAIRFORD	05LM001	40
FALCON LAKE AT FALCON LAKE	05PD801	40
FAMILY LAKE AT LITTLE GRAND RAPIDS	05RD006	41
FISH LAKE AT OUTLET CONTROL STRUCTURE	05EB003	41
FISH LAKE DRAIN NEAR CAMP MORTON	05EB005	42
FISHER RIVER NEAR DALLAS	05EB003	42
FOOTPRINT LAKE AT NELSON HOUSE	05TF001	43
FOOTPRINT RIVER ABOVE FOOTPRINT LAKE	05TF002	43
FORK RIVER NEAR ETHELBERT	05LJ016	44
GAINSBOROUGH CREEK NEAR LYLETON	05NF007	44
GARLAND RIVER NEAR DUCK RIVER	05LE006	45
GAUER RIVER BELOW THORSTEINSON LAKE	05FA001	45
GIMBY CREEK NEAR CARTWRIGHT	05BA015	46
GLENELLA DRAIN NEAR GLENELLA	05LL026	46
GODS LAKE AT OUTLET OF GODS LAKE	04AC006	47
GODS RIVER AT OUTLET OF GODS LAKE	04AC005	47
GODS RIVER NEAR SHAMATTAWA	04AB002	48
GOPHER CREEK NEAR GLADSTONE	05LL024	48
GOPHER CREEK NEAR VIRDEN	05MH003	49
GRACE LAKE NEAR THE PAS	05KJ002	49
GRAHAM CREEK NEAR MELITA	05NF008	50
GRANVILLE LAKE AT PICKEREL NARROWS	05EB006	50
GRASS RIVER ABOVE STANDING STONE FALLS	05TB001	51
GRASS RIVER AT WEKUSKO FALLS	05TB002	51
GRASSMERE DRAIN NEAR MIDDLECHURCH	05BJ017	52
GUNISAO RIVER ABOVE DIAMOND RAPIDS	05UA003	52
HAYES RIVER BELOW GODS RIVER	04AB001	53
HAYES RIVER BELOW TROUT FALLS	04AA004	53
HESPELER FLOODWAY NEAR ROSENFELD	05DC015	54
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